# RAILWAY

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

o. 1177-Vol. XXVIII.]

LONDON, SATURDAY, MARCH 13, 1858.

JAMES CROFTS, MINING AND SHAREBROKER, So. 1, PINOH LANE, LONDON (established 14 years), TRANSACTS every USINESSIA MINING SHARES, but, not being a DEALER, BUYS and SELLS orders confided to him.

orders confided to him.

connection with their late and present prices. Such an opportunity as the time presents for investing in CHEAP SHARES probably never occurred, he long before it will occur again:—

DIVIDEND MINES. Calstock Consols, Aifred Consols,

Boscenn. Bedford United. Drake Walls.

Bertha. Wheal Alfred.

Drake Walls.
North, West, and East
Basset, and Wh. Basset.
Hingston Down. NON-DIVIDEND. Holmbush.

\*Castell (Limited).

\*Porkellis United.

\*Porkellis United.

\*North Tary.

\*Virtuous Lady.

\*East Aifred Consols.

\*Pedn.an-drea.

Wheal Arrist.

Great Hews.

\*Wheal Zion.

\*Wheal Zion.

\*Wheal Arthur.

\*Wheal Louisher nond

d are, consequently, de

are, consequently, de

Worthing.
Keily Bray.
Ludcott.
Wheal Grenville.
Rosewarne and Herland.
Tebidy.
South Condurrow.
Pendeen Consols.
North Trelawny.
\*Lelant Consols.
\*Bryntail.

il Hender.

"Wheat Lovel.

al of the above mines are almost at either nominal or very low prices, amongst

re toose marked ", and are, consequently, deserving of special attention. The

der offer large profits at present prices, either in the shape of an advance in

r from dividends, or both.

Bankers: The Commercial Bank of London, Lothbury.

JAMES LANE, No. 29, THREADNEEDLE STREET,

IES B. BRENCHLEY, SHARE DEALER, No. 11, ROYAL XCHANGE, LONDON, has FOR SALE—
ntail, £1½.
alleck, £185.
5 Herodsfoot, £1½.
20 Harriett, 21s.
40, £5½.
20 Harriett, 21s.
40, £5½.
21 Harriett, 21s.
40 Harriett, 21s.
41 Harriett, 21s.
41 Harriett, 21s.
42 Harriett, 21s.
43 Harriett, 21s.
45 Harriett, 21s

in Builer, Basset, South Frances, Condurrow, and West Seton.

VIDEND MINES, well selected, are the BEST of all PUBLIC INVESTMENTS, paying, as they do (in dividends every two or three months), b to 30 per cent. per annum. NON-DIVIDEND MINES, carefully chosen, tily advance in price 300 per cent., or more. BE WATSON, MINING BEOKER, having 14 years' experience in every ment of mining and its management, together with an extensive and regular codence with mining agents and others in Corawail, Devou, and cleaver, led to judge of and select mines of intrinsic value. Price Warson, being a rot the Mining Exchange, will forward a list of prices when required, and consulted daily as to purchases, sales, &c.

Bankers—Union Bank of London.

Commission 1½ per cent, or all transmittens.

INES HARES POR SALE.—

INES HARES POR SALE.—

20 Aifred Con., £12. 10 North Basset, £15%. alliesk, £17%. 10 North Levant. 50 Vale of Towy, 29s. do Vale of

CHARLES D. BUTT, COMMISSION AGENT AND ACCOUNTANT, 15, UNION COURT, OLD BROAD STREET, E.C. Business transacted in British and Foreign Mining Shares.

BARLES D. BUTT offers his services to commistees and shareholders who may their accounts audited prior to being presented.

E. GOMPERS HAS BUSINESS TO TRANSACT IN-50 Bertha, 35s.

50 Sortridge Cons., £1½.

20 Vale of Towy.

40 Wheal Edward, £7.

41 Afred, £5½.

42 Wheal Harthett, 21s.

43 Rassell, £7.

44 Devon Buller, 12s. 6d.

45 Devon Buller, 12s. 6d.

46 Devon Buller, 12s. 6d.

47 Devon Buller, 12s. 6d.

48 Devon, 15s.

49 Buller and Basset, £5s.

40 Wheal Harthett, 21s.

40 Wheal Harthett, 21s.

40 Wheal Wrey, £4.

40 Ludeott, 27s. 6d.

NRY GOULD SHARP, 32, POULTRY, LONDON, E.C., begs to call the attention of his friends and the public to the present state of aling Share Market, which now affords unusual facilities for investing in sevency, well-managed, and legitimate mines; and OPFERS HIS SERVICES to gentlemen, and others having spare capital to invest, mining shares being, exception, the most profitable means for the investment of small or large money. Mr. Suaur receives the cariliest information relative to the latest ments in the mines, &c., consequently can give good advice to those aceking i profitable investments. EES FOR SALE, at nett prices:—
20 Gt. Wh. Baddern, £%.
20 Gt. Wh. Baddern, £%.
20 Gt. Wh. Baddern, £%.
20 Kelly Bray, 38. 6d.
21 Colla Toigus Unit., offer wanted.
22 Angarrack Cons., 20s.
23 Kworthy Bridge.8s.
24 Angarack Cons., 20s.
25 Angarack Cons., 20s.
26 Calla paid, 4s.
27 Daie (Limit.), £1 pid.
28 Torvidene, 17s. 3d.
29 Cath, and Jane, 6s. 6d.
30 St. Day United, 18s. 6d.
30 Cath, and Jane, 6s. 6d.
40 Waterloot Life, 5s.
30 Cath, and Jane, 6s. 6d.
30 St. Day United, 18s. 6d.

rovidence, 17s. 3d. 30 Cath. and Jane, 6s. 6d.

want a safe investment, and one that must pay well, buy shares in the HUCKWORTHY BRIDGE COPPER MINE.

F share. This will prove one of the richest mines in Devon. They have a libde 10 ft. wide, producing good stones of rich copper ore. The mine has sen inspected by practical mining genetienen of high standing, who pronounce a first-rate property. Some spiendid specimens of rich grey copper ore have a first-rate property. Some spiendid specimens of rich grey copper ore have a produce for clean copper 54 g per cent. The cross-course lode of the Whesi hip, which has paid in dividends \$304.064 on an outlay of £540, passes direct the mine. The shares are well worth buying. See reports. Mixing Journal, is. 18 Rosewards.

18 Rosewards.

19 Bertina, 36s. 50 Sortridge Cons., \$14. 20 North Tavy, £24. 19 Fendeen, £2. 10 Fendeen, £

mmission on all buying and selling transactions 1½ per cent. Bankers: London and Westminster Bank, Lothbury.

GEORGE BUDGE, of 4, BIRCHIN LANE, CORNHILL, ONDON, has SHARES FOR SALE at the following prices:—

Garadon.

S Wheal Margery, £3%.

3 Treiswny, £25.

50 Wh. Harriett, 19s. 6d.

50 Wh. Harriett, 19s. 6d.

50 Wh. Harriett, 19s. 6d.

50 Wh. Euma (Ext.), 8s.

50 Gawton.

50 Wh. Euma (Ext.), 8s.

50 Gawton.

50

G E O B G E M O O R E,
DEALER IN MINING SHARES.

1, OROWN COURT, THEBADNEEDLE STREET.
GEORGE MOORE will SELL the following SHARES, or any part, at quotal prices,
FREE OF ANY COMMISSION:
DIVIDEND.

1 Ding Long, \$18%, 6 North Basect, \$15%. 5 West Basect, \$25%.
25 Drake Walls, \$2%, 5 Par Consols, \$21, 40 Wh. Kitzt (St. Argues),

1 Ding Bong, £18%.
2 Drake Walls, £2%.
1 Gramb, and St. Anbyn, £25 St. Day United, 18a. 64.
£112%.
2 North Roakear, £25%.
2 North Roakear, £25%.
2 North Roakear, £25%.
3 Drake Oronwall (an offer wanted).
25 Devon Buller, 10s. 6d.
10 Onke of Corowall (an offer wanted).
25 Lady Bertha, 9tz. 24%.
10 East Buller, £2%.
20 Fineroft, £4%.
20 Fineroft, £4%.
20 Wh. Mirr, £3%.
20 Wh. Mary Ahn, £43%.
2 Wh. Mary Ahn, £43%.
2 Wh. Trelawny, £23%.
3 Squth Carn Bres, £5%.
3 Wheat Baseet, £3%.
3 Wheat Baseet, £3%.
3 Wheat Baseet, £25%.
3 Wh. Kitty (St. Agnes),
£5 Ss. 9d.
2 Wh. Mary Ahn, £43%.
3 Wh. Telawny, £23%.
3 Wh. Trelawny, £23%.
3 Virtuou Lady and Wh. Bedford, £7%.
3 Wheat Baseet, £25%.
3 Wh. Kitty (St. Agnes),
£5 Ss. 9d.
5 Wh. Mary Ahn, £43%.
5 Wh. Mary Ahn, £43%.
5 Wh. Trelawny, £23%.
10 Tolvadden, £7%.
10 Tolvadden, £7%.
10 Tolvadden, £7%.
10 Wheal Zhow, £1%.
10 Wheal Zhow, 11s. 3d.
10 Perstructual.
10 Wheal Zhow, 11s. 3d.
10 Wheal Zhow

Rosewarne Consols.
Mary Ann.
Wheal Wrey.
Fowsy Consols.
Botalisck.
Condurrow.
South Frances.
Wheal Kitty (Lelant).

MESSES, J. J. REYNOLDS AND SON,
No. 1, ROYAL EXCHANGE BUILDINGS, LONDON, E.C., ENGLISH
AND PORRIGN STOCK, RAILWAY, AND MINING SHAREBROKERS, beg to
inform their friends and the public that the present time is a PAVOURABLE OFPORTUNITY for INVESTMENT in many undertakings of a substantial character,
paying dividends worthy the attention of the capitalist.

Every information can be obtained at their offices, which their practical experience
enables them to give, not only of mines and other properties of established value, but
of those that are not.

MINING INVESTMENT.

MESSERS. POWELL AN DCOOKES, S. HERCULES CHAMBERS, OLD BROAD STREET, LONDON.

Massra. Powell and Cooke beg to direct the attention of investors and speculators to the undermentioned list of Dividend and good Progressive Mines. Although many of them have considerably advanced in market value shore the commencement of the year, they are still well worth purchasing at the carrent market prices, either for investment or speculation.

Devon Great Consols.

Oreat South Toigus.

Par Consols.

South Caradon.

Vale of Towy.

West Caradon.

Wheal Masset.

South Mary Ann.

South Wheal Ray Ann.

South Wheal Frances.

Wheal Wry.

Hingston Down Consols.

Redimore.

Wheal Messer.

Redimore.

Wheal Messer.

Redimore.

Wheal Messer.

Wheal Messer.

South Cara Bres.

Wheal Messer.

South Cara Bres.

Wheal Mary Ann.

South Cara Bres.

Wheal Messer.

South Cara Bres.

Wheal Mary Ann.

South Cara Bres.

ESSRS. VIVIAN AND REYNOLDS, MINE AGENTS.
63, OLD BROAD STREET, LONDON, E.C.
Wessrs. Vivian and Reynolds are enabled, through the long experience of Mr. W.
C. Vivian as an underground agent and manager of mines in Cornwall, and in various foreign countries, to afford informatian on mest imperiant mining districts; and to inspect and report on mines. They are also enabled, by the several years' acquaintance of Mr. J. J. Reynolds, jun., with the transaction of the London share market, it obtain every advantage for those who may want either to buy, or sell mining or any other description of stock.

Messrs. Vivian and Reynolds have daily information from the principal sests of mining, which is at the service of those who may honour them with their confidence.

MR. WILLIAM MOORE, STOCK AND SHAREDRALER,
11, HERCULES CHAMBERS, OLD BROAD STREET.
N.B. Business transacted in every description of stock and shares.

MR. R. H. M. JACKMAN, MINING AND SHAREBROKER, 2, ADAM'S COURT, OLD BROAD STREET, has BUSINESS in most of the RINES named on the last page of this Journal; and will be happy to receive any BUTING or SELLING ORDERS, which will be punotably, attended to.

Commission 1% per cent.

MR. R. LINTHORNE, ENGLISH AND FOREIGN MINING AGENT, 3, ADAM'S COURT, OLD BROAD STREET, LONDON.
BUSINESS TRANSACTED in all ENGLISH and FOREIGN MINES, and other SECURITES, on the usual terms of commission. Information afforded in respect to Dividend-paying and Progressive Mines.

| BORGE SPRATLEY, No. 15, OLD BROAD STREET, E.C., Continues to TRANSACT BUSINESS either in the FURCHASE or SALE of MINES, RAILWAY, BANK, or INSURANCE SHARES; and those seeking sale and profitable investments may obtain reliable information respecting these securities on application. WANTED—

50 Tavy Consols.

50 Sortridge.

10 North Tavy.

50 South Condurrow.

51 Lady Bertha.

5 Par Consols.

15 North Levant.

10 East Wheal Margaret.

District Consols, 230%.

50 Hard Res. 25%.

50 Dav. Wh. Buller, 25%.

10 East Affred, 22%.

10 Far Consols, 230%.

50 Bortridge, 25%.

50 St. Day, 18a, 3d.

50 St. Day, 18a, 3d.

50 Wheal Wrey, 24%.

10 Great Affred, 25%.

50 St. Day, 18a, 3d.

50 Wheal Wrey, 24%.

10 Great Affred, 25%.

50 Subst. Carn Brea, 25%.

10 Lelant Consols, 23%.

50 Daie, 21%.

50 Daie, 21%.

50 That Wheal Margare.

10 Rate Wheal Margare.

10 North Tavy, 25%.

10 Redmoor, 7s.

1 South Basset, 29%.

10 South Carn Brea, 25%.

10 Lelant Consols, 25%.

10 Zing, 12s. 6d.

10 Rate Wheal Margare.

10 Rate Wheal Margare.

10 North Tavy, 25%.

10 Rate Wheal Margare.

20 North Downs, 27s.

210 North Tavy, 25%.

22 Fendeen, 23%.

23 South Carn Brea, 25%.

30 Virtuous Lady and Willian Margh 12, 1858.

40 Zing, 12s.

41 Zing, 12s.

41 Zing, 12s.

42 Zing, 12s.

43 Zing, 12s.

44 Zing, 12s.

45 Zing, 12s.

45 Zing, 12s.

46 Zing, 12s.

47 Zing, 12s.

48 Zing, 12s.

Apply to WM. MICHELL, 3, Austhrians, London, E.C.—Maren 12, 1898.

M. R. H. HUXHAM, COLLIERY VIEWER AND MINING RINGINEER, UNDERTAKES the SURVEVING, VALUING, or AGENCY Of MINERAL PROPERTIES, the WINNING, WORKING, or VIEWING of COLLIERIES, &c., on moderate terms; and begs to assure these who may favour him with their commands that all business entrusted to his obarro shall receive prompt attention, and be executed with the umost fidelity and care. References and testimonials of the highest character,
Mr. H. HUXHAM has room for TWO ADDITIONAL ARTICLED PUPILS, who would have an excellent opportunity of attaining a theorough knowledge of practical and theoretical mining engineering.—Cwm Rhonodds, Four-y-pridd.

MESSRS. A. J. HUTCHINGS AND CO.'S

PATENT IMPROVED WIRE ROPE.

SOLE MANKES TO THE ROPE.

LORDS OF THE ADMIRALTY, THE FRENCH AND TURKISH GOVERNMENTS,
And the principal Colliery Propristors throughout the kingdom.

MANUFACTORY, MILL WALL, POPLAR, LONDON.

ROUND and FLAT ROPES of every description, suitable for mining operations or other purposes, GALVANISED or UNGALVANISED, MANUFACTURELY upon the newest and most improved machinery, ensuring greater pliability, durability, and strength; and is admitted by the principal coal proprietors to be far superior to any other kind of wire rope. The superiority of these ropes over hempen ones, in point of strength, lightness, durability, and cost, is admitted by all who have tried them.

QUIDE ROPES, SIGNAL CORD, LIGHTNING CONDUCTORS, &c.

BOCONNOC AND GREY MARE IRON MINES, with MACHINERY, MATE-; RIALS, PLANT, and about 1000 tone of IRON ORE, FOR SALE.

BOCONNGC AND GREY MARE IRON MINES, with MACHINERY, MATERIALS, PLANT, and about 1000 tens of IRON ORE, FOR SALE.

MR. T. P. THOMAS has been favoured with instructions to SELL, BY PUBLIC AUCTION, at his offices, 2, Grown-court, Threadneedle-street, London, on Thursday, the 25th day of March, 1858, at One o'clock percisely, in One Lot, and subject to such conditions as will be produced at the day of sale, ALL those Lot, and subject to such conditions as will be produced at the day of sale, ALL those valuable MINERAL PROPERTIES, known as BOCONNOC AND GREY MARE IRON MINES, situate in the parishes of St. Walnow and Braddock, Cornwall, together with the BUILDINGS, MACHINERY, MATERIALS, IRON ORES (about 1000 tons), and PLANT, forming the whole of the property of the proprietors in upon, and belonging to the mines, comprising, amongst other things, ONE 30 in. cylinder PUMPING ENGINE, 10 feet stroke in the shaft; three boliers, 25 fms. cylinder PuMPING ENGINE, 10 feet stroke in the shaft; three boliers, 25 fms. cylinder pumping, 20 fms. 4 in. pumps, about 15 fms. wrought-iron air-pipes, three horse-whims, 60 fms. iron fast-rods, pulleys, stands, &c.; counting-house and fittings; a smiths shop, complete, with tools; a large quantity of iron; carpenters' shop; with all timber, and other materials in the mine; stables, three labour horses, harness, carts, &c., with other articles too numerous to mention.

The mines are in a full state of working, and the materials are of the best description. The auctioneer particularly wishes to draw the attention of espitalists and persons acquainted with mineral property to the above, as it is an opportunity which seldom offers. The mines now actually producing large quantities of fron ore, and being for also only in consequence of the occupations of the present proprietors being foreign to mining business, and unable to give the mines their personal attention. In addition to the iron lodes, the copper lodes of Respryn and the Duke of fron ore, and being for also only in consequence of t

NORTH DOWNS MINE.

M. R. T. P. THOMAS is favoured with instructions by the Committee of Management of this mine to SELL, BY AUCTION, at his offices, No. 2, or FORFEITED SHARES in this MINE, without reserve. Full particulars will be given in next week's Mining Journal.

MR. T. P. THOMAS has FOR DISPOSAL a LIMITED NUMBER of SHARES in the CASTLEWARD LEAD MINK, which he can offer as a very promising and safe speculation. A shaft has been sunk 10 fms, and levels driven on two lode,—5 fms. on one, and 17 fms. on the other,—from which 55 tons of lead ore were sold, leaving good courses of ore in the bottoms and ends of the levels. An engine is about to be erected, and, upon the mine being forked or drsined, returns of lead ore can at once be made. Newtownards being the next mine, and having the same lodes, has given about \$290,000 profits, and still a dividend concern. Price per (6000th) share, 6s. Company, limited liability.—Specimens of the ore and further particulars to be seen and bad at 2, Crown-court, Threadneedle-street, London.

particulars to be seen and had at 2, Crown-court, Threadmeedle-street, London.

TO CAPITALISTS,—Those who seek safe and profitable investment, free from risk, should act only upon the soundest information. The market particular of speculators, without reference to the sounders information. The market operations of speculators, without reference to the soundness or merits of the undertaking. J. R. Piez feets confident that mines afford a wider range for profit than any other securities. J. R. Piez could name many that are free from debt, have large reserves, and pay dividends bi-monthly, varying from £15 to £30 per cent. per annum, instances frequently occur of young mines rising in value 500 to 1000 per cent.; but these kind of securities soor than any other should be purchased only upon the most effective formation, because there are shorter should be purchased only upon the most custod at flottitions prices, intrinsically worthless.

J. R. Piez devotes special attention to mines, therefore can afford every information to intending investors. Purchases and sales effected upon the best possible terms. Jours R. Piez has POR SALE the undermentioned SHARES, FREE OF COM, MISSION:—

DIVIDEND MINES.

MISSION:—

20 Alfred Consols, £11½.

Botallack, £197½.

1 Carn Brea, £51.

2 Ding Dong, £17¾.

5 Gt. 80. Tolgus, £16½.

1 Levant, £120.

1. Gr. & St. Aub., £112½ 20 Hingston Down, £6½ 15 North Basser, £14½. 1 South Caradon, £359. 1 West Seton, £327½. 1 Mary Ann, £43½ x d.

1 Levant, £120.

2 Craddock Moor, £40.

1 West Seton, £327%.

1 Mary Ann, £44% x d.

PROGRESSIVE MINES.

10 South Carn Brea.

25 Cook's Kitchen, £4.

25 Devon Buller, £5.

10 Wheal Glyan.

10 East Alfred, £34.

20 F. Rassell, £5 18a, 9d.

20 Great Buddern, 17s.

20 Dad Mine, 23s.

20 Great Buddern, 17s.

20 Dad Mine, 23s.

20 Pendeen, £33.

20 Wheal Tallack, 43.

20 Wheal Edward, £7½.

20 Wh. Greaville, 51s. 36.

30 Pendeen, £33.

30 Pendeen, £33.

40 Redmoor, £8.

20 Wh. Greaville, 51s.

30 Wheal Unity, £3%.

30 Wheal Cally Price, 51s.

30 Wh. Greaville, 51s.

WILLIAM MARLBOROUGH, MINING AGENT,
(For many years with Mr. T. P. Thomas),
57, OLD BROAD STREET, LONDON.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER.
11, DALE STREET, LIVERPOOL.

MR. FRANCIS R. BILL, CONTRACTORS' AND GENERAL ACCOUNTANT AND AUDITOR.

32, BUCKLERSBURY, LONDON, E.C.
CONTRACTOR for the SUPPLY of RAILWAY MATERIALS of every description. Estimates prepared. Agencies undertaken. ACCOUNTANTSHIP BUSINESS of all kinds performed under contract, whereby a considerable saving on the usual cost may be effected.

MR. J. T. KEVERN'S MINING, LOAN, AND DISCOUNT OFFICES, PENZANCE (Established 1845). Bankers (from 1838)—Mesers. Batten, Carne, and Carne.

MR. FRANCIS RIDGMAN, MINING SHARE DEALER, TAVISTOCK, DEVON.

M. R. WILLIAM BIRDSEY, of No. 4, ST. MICHAEL'S ALLEY, CORNHILL, having had 30 years' experience as a MINING BROKER, can with the greatest confidence recommend from ten to fifteen mines (both dividend and progressive), which he considers during the PRESENT YEAR will well repay the outley. Mr. BIRDSEY is a PURCHASER of any number of Pendeen Shares, at the market price; Mr. Birssey the first proposed of the part with their interest in this promising adventure.

MR. HENRY WILLS, 17<sup>1</sup>, GEORGE STREET, PLYMOUTH, MINING SHAREBROKER, HAS FOR SALE PAR Consols, West Fowey, Tolvadden, Mary Ann, North Emma. Is a BUYER of North Tavy.

MR. J. HOLLOW'S GENERAL MINING AGENCY OFFICES, 1, CROWN COURT, OLD BROAD STREET, LONDON, E.C.

TOLVADDEN, NORTH TOLVADDEN, PROVIDENCE MINES, WHEAL MARGABET, AND MILL POOL MINE.—Parties having business in any of the above can readily do it, either to BUY or SELL, by writing to March 3, 1858.

JAMES HOLLOW, (at present at) Hayle, Cornwall.

MR. JOHN RISLEY, MINE SHAREBROKER, 12, ST. MICHAEL'S ALLEY, CORNHILL, LONDON, E.C. Shares bought and sold as the closest market prices.

Commission on dividend shares 1½ per cent., progressive 2½ per cent.

MINE SURVEYING.—JAMES REED begs to inform his friends and the mining public that he UNDESTAKES the SURVEYING of MINES and MINERAL PROPERTY, either at home or abroad, at the very lowest charges. Address, Cwmissa, near Goginan, Cardiganshire.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the texts to which this iron has been submitted by engineers and railway companies during several years, its superior quality has been generally acknowledged, and can be un-best tatingly stiffrmed.

EAST WHEAL RUSSELL.

ALFRED CONSOLS.

PECIAL REPORTS on the above MINES, by eminent practices, will appear in Mr. MURCHISON'S REVIEW, NOW READT, One Shilling, at 117, Bishopspate-street Within, London.

PRICKS.—Messrs. OATES AND INGRAM inform brick makers on an extensive scale that their PATENT SOLID BRICK MACHINE is now HOROUGHLY and EPPICIENTLY TESTED, and are prepared to OFFER the billowing counties to the trade, in districts, either by ROYALTY or PURCHASE:—liddlesex, Surrey, Samerx, Essex, Kest, Norfolk, Suffolk, Cambridge, Oxford, Glousster, Heritord, Berks, Bucks, Huntingdon, Devon, Cornwall, Dorset, Wiltz, Hants, and Isle of Wight.

ester, Heriford, Berks, Bucks, Huningdon, Devon, Cornwair, Loirect, While, stand alse of Wight.

With this PATENT MACHINE the ordinary surface clay requires no preparation rhatever, whils that of a rocky nature has merely to be passed through rollers in the sual way, AND THENCE, WITHOUT AND THE MACHINE, FROM MINIST BE BRICKS ARE REMOVED DESCRIPTION OF AN ACHINE AND AND THE MACHINE, FROM MINIST THE MACHINE, FROM MINIST THE MACHINE IS NOW MAKED THE MINIST AND THE MACHINE AND

irmingham.
Application for orders to see the machine in operation to be made to Mesers, OATES
d INGRAM, Bradford-street, Birmingham. Samples of slay may be sent and passed
rough the machine, and the bricks burnt, or a sample brick will be sent to any party

ELLIS LEVER,

2, CLEVELAND BUILDINGS, MARKET STREET, MANGHESTER, AGENT TO DAVIS PENTON AND CO., QUEEN'S FERRY, FLINT, WIRE DRAWERS,

MPROVED PATENT ROUND AND FLAT WIRE ROPE
FOR MINING, RAILWAY, AND GENERAL PURPOSES.
A complete stock of every description kept at the Liverpool depôt, 6, Wapping.

A S S A Y O F F I C E AND LABORATOR I E S,
DUNNING'S ALLEY, BISHOPSGATE STREET WITHOUT, LONDON.
Conducted by JOHN MITCHELL, F.C.S., Author of "Manual of Practical Assaying,"
Motallurgical Papers, &c.

Assays and Analyses of every description performed as usual. Special Instruction
in Assaying and Analysis. Consultations in every branch of Metallurgical and Manufacturing Chemistry. Assistance rendered to intending Patentees, &c.

For amount of fees, apply to the office, as above.

UARANTEED PATENTS.—The present practice of granting patents for inventions without examination or discrimination renders their validity and consequent value doubtful and uncertain; and, as the number of applications for patents annually increases, the risk of collision and of anticipation becomes greater. To remedy these evils, the UNDERSIGNED are prepared to GUARANTEE BY BOND the NOVELITY and VALIDITY OF PATENTS PROCURED and SPECIFIED BY THEM, on terms which may be known on application.

BARLOW AND CO., Patent Office, 89, Chancery-lane, London.

EW PATENT ACT, 1852.—Mr. CAMPIN, having advocated Patent Law Reform before the Government and Legislature, and in the page of the Mining Journal, &c., is now READY to ADVISE and ASSIST INVENTORS a OBTAINING PATENTS, &c., under the NEW ACT.

The Circular of Information, gratis, on application to the Patent Office and Dedgas' Registry, 156, Strand.

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1 Mustard Spoon, ditto	*****	0	1	- 8	***	0	2	6		0	3	0	***	. 0	3	6
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# Original Carrespondence.

#### THE TORBANE HILL MINERAL.

Sin,-The article in your Journal of Feb. 25 involves on me to off on the other sake of its writer, who speaks and argues imperatively, like a Runal not for the sake of its writer, who speaks and argues imperatively, like a Runal quisitorial tribunal, but for the sake of a fair discussion. That writer, choosing act under an anonymous name, though belonging to the stronger side of the question, says in substance that its opinions of eminent men are sufficient of question, says in substance that its opinions of eminent men are sufficient of question for ever at rest, because they have, in their capacity of aworn witness, the cleared by way of argumentations the mineral its question to be see coal, into the tend of bituminous shale. Then, he adds something to this effect, that the former tisk question to the men of the wear of the wind and the same of the wind of the not for the sake of its writer, who speaks and argues imperatively, like a n quisitorial tribunal, but for the sake of a fair discussion. That writer, of

#### TRANSMISSION OF POWER.

TRANSMISSION OF POWER.

Siz,—In offering a few words upon this subject, I am aware that the propositive to make has been partially carried out by Mr. Armatrong, of Newcastle. The petieman has utilised the natural gravitation of water. Collected upon a fit, little ducted by a pipe to the bottom of the mine, and there it actuates, by pressur, angine for traction purposes. This principle I propose to amplify, by employing power of the steam-engine on the surface in forcing the water down the ple, and actually conveying the power of the engine through a pipe, instead of by a mine shaft. The form of the letter U will best lituatrate the idea. The sleader is geoney the power down the pit, while the thicker leg will suffice to convey the people of the standard of the same insule at the hottom as it receives from the engine at the top of shaft—that is to say, the water being drives by the steam-engine into an air-chair at given pressure (say, 150 lbs. or 200 lbs. on the inch, the same pressure that the bottom will represent one horse power.

It will be found on computation that the volume required to represent may how at the bottom will represent one horse power.

It will be found on computation that the volume required to represent may how or the distribution of the proper can be transmitted through a ripe of 4 or 5 in, hore. The greater the distribution travel the larger will the hose of the pipe require to be, so as to save ions of per in discharging the required quantity within a given time at the bottom engine. With reference to the method of reconstructing the power at the bottom of shaft, I shall not take up your space with it; but should any of your residence in discharging the required quantity within a given time at the bottom of shaft, I shall not take up your space with it; but should any of your residence in discharging the required quantity within a given time at the bottom of shaft, I shall not take up your space with it; but should any of your residence in these undertakings feel sufficient interest in

## MANUFACTURE OF GAS-COAL v. OIL

Srn,—In last week's Journal, under this heading, appeared an answer from "RF to an enquiry made in the previous Number, in reference to Longbottom's oil preparatus, which requires noticing. "D. K." states that, to his own knowing, paratus, which requires noticing. "D. K." states that, to his own knowings the companies formed by Mr. Longbottom are in active operation, and refer "0.0" to the Hatfield Station, to see an apparatus giving full satisfaction. If the upset in the companies of the satisfaction is seen an apparatus giving full satisfaction. If the upset is the completed it cannot have been so for more than a formight; and succept is earrely a sufficient period to enable any one to state that it is "giving full sation." Where is the company paying (according to "D. K. is" statement lip cent.? I know of no such company in this kingdom: it may, probably, edit. America. How was it that Mr. Longbottom was unsuccessful in getting yumpany at Rotterdam? and why has be not done more in this country? The summany:—I because there there is nothing whatever that is new in the pate; it claims, "retorts constructed of malleable iron, convex inwards and constant to claim, "retorts constructed of malleable iron, convex inwards and constant were, practically it is useless.—2. He claims "causing the vapours to pass that a body of time and charcoal under heat." What more is this than Bindfort; pair or, what is to prevent any one from saturating the charcoal with soda, to pair the same affect?

Having disposed of the peculiarities of Mr. Longbottom's parion.

a body of lime and charcoal under neat." What more is this than Busford's pair or, what is to prevent any one from saturating the charcoal with soda, upole the same effect!

Having disposed of the peculiarities of Mr. Longbottom's patent, I will one in question of cost of production of gas by any oil gas apparatus. I maintain this country where coal is cheap, neither oil nor any other matter, whether liquident can compete with it; while, by the improvements made in coal gas apparatus, is not so much nuisance created as in oil gas apparatus. How many oil gas apt tus schemes have there been in this country, and where are they now? sehemen that have been brought out under most respectable auspices. The fact, is, the gallon of oil will produce on an average only 30 cubic feet of gas; it thereforence is a considerable to produce 1000 feet, giving an expenditure of 9s. for the raw mentalone (assuming that the oil will not cost more than 9d, per gallon); add to this city of cost to be at the retorts (at Hatfield there are four fires), cost of purification of coke to heat the retorts (at Hatfield there are four fires), cost of purification tendance, wear and tear, and interset of capital, &c., which brings the cost mentaling approaching 18s. or 14s. per 1000 cubic feet, taking an average of its mid working. I know it may, and probably will, be said, that I make no calculation account of refuses. To this I answer, that to obtain 80 cubic feet of gas free 16s of oil, but little refuse will result; as the gas alone will weigh 6 flys, and her structive distillation of coal, he stated, in his prospectus of the "National Light Heat Company," that there would be an enormona amount of revenue probably the sale of the patent coal tar produce; of the value of this conjecture? Indies Heat Company, "that there would be an enormona amount of revenue probably the sale of the patent coal tar produce; of the value of this conjecture? Indies that the tit is now difficult to dispose of the tar at even a halfpenny per gale.

Having tresp

# BLAENAVON IRON AND COAL COMPANY.

SIR,-In reply to the letter of Mr. J. C. Hill, of Feb. 27, I beg to inform his

away with the acrimonious feeling existing between a few of the small saider tented shareholders and the present directors. I wish to see the works carridat a friendly and business-like manner, instead of trying to thwart the energis do practical men at the head of the concern.

I candidly admit that I was its opposition to a part of the former board of direct for the reason that they did not persevere in completing the new works, by ining at the same time that it was the only means by which a profit could be all and, in fact, I would raise my voke against the present directors if I saw any into the feet of the directors and the said to fine the said to feet of the directors—making it appear that he could be orrow 50,000, twit them of their responsibility, in August last, and when asked if he was printing the feet one mortage, which is the said of they had it they must pay 7 per cent. For it. Again, as to the utility is one mortage, to another, at an enormous expense, leaving the capital requiring proving the works in the same position. If he had said, "I can borrow \$0.000 to the company; but, instead of doing good, his only object would seem to half mage and villify the directors, or anyone who may raise a voice in their face.

Mann Herry Pers and Ticketting Dinners.

# SAMPLERS' FEES, AND TICKETING DINNERS.

SAMPLERS' FEES, AND TICKETING DINNERS.

Sin,—Your Cornish correspondent's remarks are quite correct respecting intending in our good town, recognised as the head quarters of the scene. I can summing, the mining world will ere iong have to loudly thank you and him for yoursecary of a just but struggling cause—just in every sense of the word, the evillated defended or even palliated by the recipients of an unwilling bounty, if it can have destanding of numerous readers, who are mine proprietors, as to their best said to the enormous amount proved by actual fact, and to which I can hear sugitated. Your widely-circulated Journal has opened the eyes and convicted to the enormous amount proved by actual fact, and to which I can hear sugitate these crits, and has, therefore, done great good, or considerable crit; for it is the event of the convention of the control of the convention of th

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1858

ACTION FOR CALLS.

Siz.—I think it must have been perfectly apparent, by my enquiries of Feb. 27, natering to "Astions for Calls," that I sought to elicit information for the general heaft of all honourable men interested in mining laws. I referred to the case Hybart v. Parker, to show that the rule of the East Birch Tor Tin Mine being precisely having treated such a rule with contempt, no company or individual could pradently having treated such a rule with contempt, no company or individual could pradently adopt the work of Mr. Tapping as a legal guide. I intimasted my option that the sure possessed as much merit as any of our most eminent lawyers could have given to it. The telent and ability of the author were foreibly illustrated by the facility with which he "demolished" a rule which, in plain English, was in perfect contempts, which has own theory. Perhaps, if Mr. Tapping had to write the Prize Essay has would altogether omit such a rule, and recall his oft-repeated suggestions, which we have a presery of the amount of calls due," &c.

You correspondent, "An Indigmant shareholder," writes us say "a accretary has no remody at law for payment of calls," and again, "If Mr. Tapping's book had been followed, in the case of Hybart or Parker, the present ismentable position of the less followed in the case strictly aminiar to that given in Mr. Tapping's work, and line for Tin Mine was strictly aminiar to that given in Mr. Tapping's work, and bases it is impossible to know what "An Indignant Shareholder" means.

It is not my practice to offer "ungenerous remarks," gratuitously nor otherwise; into it is not my practice to offer "ungenerous remarks," gratuitously nor otherwise; not it in youstom so notice such effasions as that of "An Indignant Shareholder," whose jountical and contradictory style of letter is neither complimentary to Mr. Tapping, nor instructive upon any question at issue; but I fear it affords a proof that "An Indignant shareholder" is regardless of that manly and upright courtesy and retitude u

#### TIN DRESSING-WILKIN'S SEPARATOR.

Perhaps there is nothing of greater importance to the tin mines in Cornwall cheaper method of tin dressing, and nothing appears more difficult to obtain

has been paid to improve the cases a considerable expense.

In object is to effect the saving before the tin gets too far from the stamps; this stems to be the great point to be got at, which, if done, a great number of trunking pits and frames (all of which are very expensive to fix and slow to work, can be done without. Several plans have been introduced in order to accomplish this desirable object, but the most effectual I have seen as the one introduced by Capt. J. B. Wilkin. His separator, when properly worked, will effect a saving of more than one-sixth of the dressing cost. It is very simple, and can be applied to any ordinary stamps for 30s. The stuff and water from the stamps run into the separator, and the rough work drops into one pit or strip, while the foul water with the small tin passe off at the top, and, being divided into proportionate parts, is trunked direct. Hence the saving is effected:——i. By the small tin at once taken from the rough and worked direct from the stamps, and then to the frame.—2. More water can be applied to the haddis, and the rough can be worked with a greater dispatch, fearless of the small tin being carried off with the extra water; and, lastly, the last set of trunking pits and live or dead frames can be done without. This same expension is equally beneficial to a buddle or washing trunk, and can be supplied as cheaply.

Several are now in operation and working effectually, and, having proved their worth, I venture to recommend them through your Journal, feeling assured if put laterach?

A Minna.

PENNANCE CONSOLS.

812,—In reply to your correspondent, I beg to state that Pennance Consols is able toworked by a respectable company in Cornwall. This mine was worked about the company of the control of the control

PROGRESS OF MINING—EAST WHEAL RUSSELL.

Sin,—It is encouraging to those who make mining their study to find that the discussions carried on through the medium of your Journal frequently lead to important results. It is, no doubt, wise to draw as much information as we can from passing events, and to add every fast possible to our present stock of knowledge. A great deal of useful controversy has taken piase with reference to the nature and character of the East Wheal Russell vein, one party contending that the goesan was a true gossan, and that it could deceive no person, and that the lode was a good one, and could be relied upon to turn out a large quantity of ore in depth; the other, that there was too much iron in the goesan, and that the voin was too much assimilated to an hairan course to bear much produce below. The decision of this question involved a very important consideration for the adventurers of East Wheal Russell; but it appears to me one of far greater importance with reference to the mining community and the advance of science as connected with the knowledge of mining. It has long been contended by some people that success in mining depends upon mere chance, and that the time-honoured maxim of "where it is, there it is "be be best one that miners can leastly upon their banner; that, in fact, the unfortunate explorer of the metals is

in to say one word as the armonic plant prosperity. It would be preumptuous in the present of the first more capable of har large states of the state of the stat

al beneficit a to be to de favour. Withhill 18.

ing the hair to a new york or your after the hair or it can be not to the hair or it can be not to the hair or it it be at the hould law than to in

ning will be will proving at their wish and course. The wish and course with any course with a

why been advanced to effect all that is desired; and I, for one, wish no more than a substitute and moderate entertainment. Until this be accomplished I into the parallelism of lodes, the distinctive character of gossans, the substitute and moderate entertainment. Until this be accomplished I into the hand of this great miner. I should suggest that a few mining agents, fir, that neither you or I will swerve from our duty.

ANDYMYTURER IN MANY MINER, who appreciate modest merit, should testify their feelings that it is not treated preparily in this case, by contributing to purchase a testimonial for Capt. Metherell; if it swere only a poster that it is would answer the purpose, provided the object for

the value.— Morch 2.

THR DALE MINE, STAFFORDSHIRE.

Sin,—Having certain reminiscences of the neighbourhood where the above mine is situated, a few words respecting it at a time when its working is producing some sensation in the mining world may not be unacosptable to your readers. It is to be presumed that much importance (and very extensity 2) is attached to the fact that the Dale set is in close proximity to the ceiebrated Ector, the latter having been worked by and for the Devonshire family about 50 years since, and yielded out of rich copper ore (if I remember correctly) about three-quariers of a million sterling profit, when the "pipe," or lode, becoming exhausted, the ground was abandoned, leaving a name behind it second only to the present fame of the Davon Great Conzols. However, about eight years since, a new company was formed to rework the Ecton Mine and Mountain, of which company I was appointed the secretary and purser, a portion of such duties being to visit the mine on pay-days and at other times; and very pleasant it was, I well remember, to travel over the romantic county of Derby into the picturesque valley of the "Manifold" river, in Staffordshire, by way of Ashbourne, involving the transit over that bit of classic ground referred to in Insulae—

"As down thy hill, romantic Ashbourne, glides

The Berby Dilly, carrying its insides."

At the end of about three years, however, and when some 5000f, had been expended, it was found that explorations of old Ecton were quite useless, and it was abandoned. True, not a spade could be used on the hill which did not turn up soil impregnated with strings of rich copper ore, but of no commercial value; and now it would appear to me, reasoning ex post fasto, that the strings of ore in question were merely those which led to the formation of the "bigs," and not leading or contributing to any other large deposit. In the meantime, the deposit in the mine had been completely worked out, leaving a vold, or cavity, of dimensions sufficient to hold the eather an

#### ECTON AND DALE MINES.

Siz,—So much interest, I may almost say excitement, has been aroused by the reent splendid discovery at Dale, and there is so general a desire to know something

ECTON AND DALE MINES.

Siz.—So much interest, I may almost say excitement, has been aroused by the resent splendid discovery at Dale, and there is so general a desire to know something about it and its rich neighbour, Ecton, that I am induced to trouble you with a few particulars respecting these twin mines. Tradition assigns to Prince Rupert the honour of having first opened on the Ecton Pips vein. At that time the hill was more size of an analysis of the summit, was found to contain lead ore, and was followed down by such means as were known in those days. There is evidence that these carliest workings were carried on without the aid of guapowder. The rock, being limestone, was calcined, in site, by fire, and then reduced by the application of water.

Three acilt levels have been driven at different times to take off the water, the last of which, the deep acilt, was driven about the middle of last century. The workings were then earried on by the Duke of Devoushirg, who sunk below the deep acilt on the course of the Pipe, and erected a water, wheel to pump the water.

Youterday I went through the old workings, and down to the 30 fathom level below acilt. From the small extent of the workings on the Pipe wein at this part it is evident that the great ore deposit of Ecton was not above the 30. At about this depth an intersection took place of a cross lode with the Pipe, greatly increasing its productiveness; but it was not until the 50, at which another cross lode came in, that that immense gulph of ore commenced which has never yet been equalled. From the 50 down to the 50 is now a cavern of 300 yards long, 100 yards wide at bottom, and 20 yards wide at top, showing how the pipe increased as it want down; this common savity was once a mass of lead and copperore. Between the 80 and 90 the Pipe narrowed, but opened out again, and thence down to the 20 continued to yield ore in immense quantities. The copper ore averaged from 15 to 20 per cent. of copper. Ecton yielded ore to the value of 2,500,0000; sterling.

N

# ST. DAY UNITED, AND ITS MANAGEMENT.

—I have for several years been a subscriber to your valuable Journal, during time I have with great pleasure observed the manner in which you have upnt, and the unfinching style in which you have upnter. Such a case, then, of a system of management,
terests of the adventurers, and equally so to the durain the St. Day United Mines, as calls loudly for "onbeair themselves, and to demand that a state of
ild be no longer borne; and knowing no channel
il communicated to the adventurers generally as the
ed Journal, I venture to solicit a space therein for

marks, set to work about four years since with a paid-up capital of 40,0001, management, was considered ample for the full development of and which, if properly expended, would doubtless have led to pro- a lasting boon to the neighbourhood in which it is situate; but, too often the case in mining, that inadequate and incompetent the bead of affairs, and manage only agreeably to their restricted enturers are led blindfold, with their property depreciated, and nost valueless.

tent myself by trusting that these suggestions will lead the adventurers to turn the attention to the subject; and as the account meetings have hitherto been held where it may suit the caption of the purser only, I beg to suggest that an early specimenting be called, for the purpose of placing the pursership and management up a totally different footing, and of fixing bi-monthly meetings, as is now genera with satisfaction adopted in this county.—March 10.

AN ADVENTURES.

#### WEST DOLCOATH.

WEST DOLCOATH.

Sis,—I find that some confusion has arisen from the fact that the new company who are working, or about to work, Wheal Nelson, in Camborne, have adopted the name of "West Dolcoath," which is situate in the parish of Gwinear, and about to be worked under the Limited Liability Act. As this mine was called by that name of a track as 1851, the date of the lease—and so called in this lease—it has a priority of title to it. The name has only been very recently applied to Wheal Nelson, the adventures in which would do well, I think, either to adhere to the old name, or adopt another which would not cleak with their neighbour's right.

As I have before me several reports on West Dolcoath from mine agents, I should feel chiliged by thair insertion in your valuable Journal. The first is from Captains Miners and Vivian, let agents of Carn Bran Mines:—"We have this day been underground in West Dolcoath Mine, in the parish of Gwinear, and have smech pleasure in stating our decided opinion of the ground as possessing the most favourable appearances, the stratum being a most beautiful light killse (in this locality the most congenial for copper). The present operations have been confised to the clearing and securing the adit and engine-shaft to the adit level (which is about 7 fms. from surface), where we find the lode varying from 1 foot to 1½ foot wide, composed of a good gossan, with rich back, and rellow copper orse. About 70 fms. east of this point there is a winze ank under the adit level about 5 fathous. We have seen the men who did it. They say they got 11/1, per man in tweive days in this sink, on tribute, after the mine stopped working—about forty years ago. There are several lodes in this sett: judging from the direction of the lodes, we believe them to be continuations of some of the north lodes in Dolcoath and Stray Park Mines, in Camborne. On the whole, we consider it a sett well worthy of an engine; and we can with sonfidence recommend it as a very fair speculation to any party of adventurers."

Meetings at Mining Companies.

#### PEMBROKE AND EAST CRINNIS MINING COMPANY.

The quarterly general meeting of shareholders was held at the offices of the com-sany, Austinfriars, on Wednesday,—Mr. J. MAROKTSON in the chair.
Mr. Edwann Kino (the secretary) read the notice convening the meeting, and the minutes of the last, which were confirmed.

A statement of accounts from Oct. to Jan. was then submitted, from which the sub-

ied to condensed .—						
Balance last audit	£ 120	11	3			
Copper are sold			3			
Mundie	55	8				
Back carrriage	77	3	1			
Interest	1	9	5			
Calls received	1883	10	0			
Club money	190	6	6=	£3513	17	0
Mine cost, Oct., Nov., Dec., and Jan	<b>£2080</b>	16	7			
Coals and freights	614	4	3			
Merchants' bills	447	11	11			
Sundry expenses		8	9			
Loan repaid	, 225	0	0=	3422	1	6
Charles Control of the Control of						-

A SHARRHOLDER said that the sub-committee on the last occasion promised to make a report as to whether the working was carried on in the most economical manner. He wished to know whether they had received the report?

The CHARRAN replied in the affirmative, and which was highly satisfactory.

Mr. KDWO then read the agents' report, as follows:—

The CRAIRMAN replied in the affirmative, and which was highly satisfactory.

Mr. Kno then read the agents' report, as follows:—

March 9.—During the last three months we have extended the 100 fm. level end eact of Smith's shart 12 fms., through a lode averaging about 2 ft. 6 in. wide, worth fully 161. per fm. The two winnes from the 90 to this level, which have effected excellent ventilation. The 112 end east is extended 5 fms.; the lode is about 1 ft. 6 in. wide, worth from 1 to 15 to not good ore per fm.; the west end is extended 4 fms.; the lode is about the same in size and value. We expect the lode at this point will improve in driving east, as we are not yet under the best over ground in the level above. The wince from the 100 is completed, which has given the men good air. The section just sent to the 600 east is about 70 fms. long, and both ends still productive. We consider this an important fact, and it must be convincing that this is a run of ore ground likely to yield an immense quantity, and such as will ultimately be remnerative, in case every other point should fail—a fact we have long contended for. Nine men are now employed in making preparations for sinking Smith's shaft to the 112, and when completed we shall commence to sink for the 122, and lay open another level with all speed, which we believe will be more productive than either of the levels above. The last sale of ore, with a batch of mundic, will bring us 10001, the next sale we expect will bring us more than 12001. The 182 fm. level cross-on; at Reid's, is extended north 46 fms.; we have intersected a lode or branch, which is small and poor; as the prospects are not encouraging, we have stopped the men at this point. The south cross-our in this level is extended 56 fms., and we have not yet out the Pembroke lode. According to the regular underlie it should be intersected before this; inverfors, it is evident that a change has taken place either in the underlie, or it has shifted more to the south the ground has recently changed for th

J. Dair; G. T. Trawarn; J. Tradishick.

The Cuarrann, in a most elaborate meaner, explained by the report and a plan the exact position of the present workings, observing that it was clear to the committee that part of the mine was a very good property, and it was for the meeting to consider whether they would continue working the East Crimis and abandon the Fembroke Mine. The property had been inspected within the last two months by no less than seven mine agents. Mr. West, who was engaged as consulting engineer to the company, made a suggestion, which the company considered excellent—that five agents from the neighbouring mines should be called in to inspect the mines, and discuss the matter and report their views, and, in addition that a dialler should go down and give a plan of the works done.

Mr. Kirke then read the letter from Mr. West, and the following report of the agents:

Peb. 32.—According to your reauest, we have carefully innected these mines, and

Feb. 27.—According to your request, we have carefully inspect beg to hand you our report.—East Crinnis: In this portion of the a driven east on Smith's shaft 70 fathoms, a greater part of which is

only 14; time, from the first part of the branch, and 10% fms. from the south part of in I Time, should set the branch gither in the 102 thum in the 10 they cought to go Mr. Kixo said the old adventurare got their riches from the 28 to the 110, where they then fell off.

The Charlamar remarked that, after spending 15,000f, upon this part of the property, it would certainly appear that they ought not to abundon it, when they had only 15 fms, to drive to prove the north part of the branch in the south cross-cut; A SMARKHOLEME and he had come 200 miles to attend the meeting, in consequence of having received a letter from a broker that the adventure was about to be abandoned altogether. He could not understand how a broker should know better than the committee or himself; but he had offered either to buy or sell the shares at certain price. (Hear, and iaughter.) He was surprised to hear it, as it did appear an extended the committee of the committee that they ought to shandon the Ferméro either to buy or sell the shares at certain price. (Hear, and iaughter.) He was surprised to hear it, as it did appear an extended they only to go on; and as regarded the north cross-cut, as there was no outlay for drawing the water, it was a question for grave consideration whether they should even stop that part of the mine. If the lode cut poor in the south he agreed with the committee that they ought to shandon the Ferméroke Mine; but he would strongly advise the cross-cut vigorously, both north and south.

The Charkacha said, with regard to continuing the cross-cut vigorously, both north and south.

The Charkacha said, with regard to continuing the cross-cut vigorously, both would give them the probable cest of working both the Fembroke and East Crimin Mines unfer three different diventations. The first was to work the Fembroke and East Crimin Mines unfer three different diventations. The first was 1000, out per month — 3000. Return a gamma it, 3900.; loss for six months, 1000.; to which aid debt as pre balance, 7401. 3. 3.4;

#### GREAT HEWAS UNITED MINING COMPANY.

The general meeting of adventurers was held at the offices of the company, Austin friare, on Tuesday, Mr. R. C. HANAM in the chair.

Mr. Charles (the secretary) read the notice convening the meeting, and the mi ates of the last, which were confirmed.

The reports of the committee of management, and Capt. Webb, were next read:

The reports of the committee of management, and Capt. Webb, were next read:—
At the usual time for holding the Oct. meeting, your committee thought that by putting it off till the next quarter, with the then prospects of the tim market, they might have it in their power to reduce the balance against the mines, by funds derived from tin sales, after paying the costs, and had that metal not fallen, this desirable result would have been attained. Within a few weeks this metal fell to an extent which reduced the price of our ore from the highest point full 231, per ton, and as our produce is upwards of 16 tons per month, it is easily seen that our hopes of reducing the claims were at once frustrated. At this time your committee had two or three anxious meetings, to discuss the propriety of continuing the extra works, so as to be in a position to take the advantage of a rising market, or to reduce the costs, so as to be within the amount of the returns. Your committee decided that it would be preferable to carry out the works with vigour, so as to improve the value of the property, even if the liabilities were increased for the time by so doing; and in order to enable you to judge of the advantage of the work, an estimate of the value of the tim ground opened out by Capt. Webb's a win words:—

"The last 20 ms. driving in the 36 fm. level has opened a reserve worth £4320 0.0

"The last 20 ms. driving in the 36 fm. level has opened a reserve worth £4320 0.0

"The last 20 ms. driving in the 36 fm. level has opened a reserve worth £4320 0.0 Webo's own words :-last 30 fms. driving in the 36 fm. level has opened a reserve worth £4320 0

Cost in raising, and making it marketable		2160	0	0
A piece of ground in the back of the 20, east and west of	*******	£2160	0	0
Charles's shaft, is worth	0 0=	1350	0	0
We have done preparatory work at surface and underground,		£3410	0	0
we have done preparatory work at surface and underground, should be added to capital account during the last six months.	werce	1250	0	0

and sundries, 1441. Ids. 4d.—total, 3300l. 15s. 1d.: showing a balance of assets of 999l. 12s. 2d. Of course you are aware that this sum is not immediately available, your committee would be pleased to be able to reduce the debts, so as to be perfectly independent. It will, therefore, remain for you to decide what steps shall be taken to reduce the liabilities, it must necessarily take many months to do so, through the sarplus of tin sales; but if they were discharged, this property would at once command a first-class position.

sarplus of tin asies; but if they were discharged, this property would at once command a first-class position.

March 8.—Eastern Mine: Since last meeting, we have brought the steam winding-engine to Charles's shaft in the 20 and 36 fm. levels, and shall in about a fortnight get the kibble to the 56, which has been a great relief to this part of the mine, both for ventilation and discharging the stuff. I am glad to say that in this direction the prospects are good. The south lode in the 20 fm. level is 37 ft. wide, good etamps' work. In the 35 it is 336 ft. wide, good work for the last 25 fms. driving, and continues much the same in the present end; this appears to be a new run of fin, and this end being 39 fms. further east than the levels below or above, looks very encouraging. The lode in the 56 fm. level has been for several fathoms mixed with soft flookan, and unproductive, but in the last few feet it has much improved, and presenting just the same character lode as that going down below the level above. We have increased our stock of tin ground here considerably during the last few mouths.—Western Mine: In the 96 fm, level we have been driving several fathoms east through a piece of nosettled ground, towards the cross-course, which we expect to reach in a few feet further driving. The tin gone down below the 86 fm, level is nearly all to the east of this cross-course, therefore we do not calculate to meet with numb if n before that point is strived at. In the 86, east and west, we are opening out its ground. The lode in the 66 fm, level is large, good average tinstoff. The ground in this part of the mine cannot be opened out very rapidly, being hard rock; but there being so great an extent of set west, and such deep levels going directly into it on the lode (which generally contains in sufficient to save), a little improvement will make it groftable. We have 70 fms. of backs over the 66 fm. level;

and the 76, 86, and 96 fm. levels below; but this part of the mine is like many hard ground mines in the county, which require time to develope. Of late we have been using much materials in extending the works both at surface and underground. Hitherto cur returns have not increased very rapidly, but, from present prospects, we shall continue to increase the tim sales, and this will be done without working unfairly. In taking into consideration the east and west prospects, with the extent of ore ground implediately before each driving. I must state, as on former occasions, that we are likely to have a profitable mine for shany years.—J. Were.

nament of accounts was exhibited, as follows: Calls
Tiu sold
Copper ores
Carriage of ditto
Hodge and Hocking 69 13 4 77 19 0= £8735 6 6 Labour cost, seven m Merchants's bills .... Sundry bills .... 84 16 6 234 8 11 127 11 0= 8471 9 3 Balance at bank ... ... £ 263 17 3 
 Bankers' balance
 £ 263 17

 Shares, &z., undisposed of
 492 10

 Spare materials
 150 0

 Estimate of tin ground, less cost of returning
 3410 0
 3 0 0 0=£4316 7 3 
 Balances of accounts due to merchants
 £3066 15
 4½

 Balances of royalties
 103 5
 4½

 Balance of charges, or sundry bills
 121 14
 4

 Balance of Carhayee
 25 0 0=
 3316 15 1
 £7000 0s, 0d.

Insting mine.

The report and accounts were then unanimously adopted, upon the motion of Mr. Tatlon, seconded by Mr. Michiell.

Mr. Tatlon, seconded by Mr. Michiell.

Mr. Tatlon, said a call of 2s, would produce 1500l.

The Chairman: Which was less than the difference caused by the fall in tin; and, in addition, more could have been raised had the depreciation not taken place.

Mr. Nickols (an auditor), in answer to a question, said he had carefully gone over the accounts, which were kept in a most regular manner, and found every item correct.

Mr. Michiell wished to know the date to which the accounts were made up?

Mr. Charles replied that the merchants bills were all charged up to the end of Jan.

Mr. Michiell considered that very satisfactory, and was of opinion they had better pay off all the liabilities, and start fair.

The Chairman said the amount suggested would not enable them to pay off all the liabilities.

Mr. Langhern moved, and Mr. Witterstand and Mr. Michiell and Mr. Michiell and Mr. Michiell and Mr. Michiell and Mr. Mr. Michiell and Mr. Michiel

The CHAIRMAN said the amount suggested would not enable them to pay on any the liabilities.

Mr. LANSHEAR moved, and Mr. Williamson seconded, a resolution that a call of 2s. per share be made.—Carried unanimously.

The CHAIRMAN rem riked that he had just been reminded that he had not said sufficient about the state of the mines. He had been in the habit of going over several mines, but he never saw one conducted more satisfactorily. The engines and machinery were perfect models: everything was in the best possible order, and the whole of the works conducted in the most economical manner.

Mr. TAYLOR, in proposing a vote of thanks to the Chairman and committee, said the shareholders were much indebted to them. They had a fair and honest committee, and he hoped all would duly appreciate it. (Hear.).

The resolution was seconded and unanimously carried.

The CHAIRMAN having acknowled the compliment, the proceedings terminated.

# VALE OF TOWY MINING COMPANY.

The quarterly general meeting of adventurers was held at the offices of the company, Crown-court, Threadneedle-street, yesterday,

Mr. THOMAS FIELD in the chair.

The SECRETARY read the notice convening the meeting, and the minutes of the last, hich were confirmed.

A statement of accounts was exhibited, from which the subjoined is condensed:—

 Wine cest, Oct., Nov., and Dec.
 £1324 8 8

 Dues
 208 12 0

 Sundries
 42 16 6

 Merchants' bills
 48 7 4= 2024 4 6

is a lode from 3 to 5 ft. wide, producing from 8 to 10 cwts. of lead per fm.; the lode in the present end is 4 ft. wide, producing 8 cwts. of lead per fm.; the wines sinking to the present end is 4 ft. wide, producing 8 cwts. of lead per fm.; the bottom of said level the lode is 3½ ft. wide, producing 5 cwts. of lead per fm.; the lode will be taken agh the common the lode in the present end is 3½ ft. wide, producing 8 cwts. of lead per fm.; the lode in the present end is 3½ ft. wide, producing 8 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode at present is 2½ ft. wide, producing 8 cwts. of lead per fm.; the lode at present is 2½ ft. wide, producing 6 cwts. of lead per fm.; the lode at present is 2½ ft. wide, producing 6 cwts. of lead per fm.; the lode at present is 2½ ft. wide, producing 6 cwts. of lead per fm.; the lode at present is 2½ ft. wide, producing 5 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode at present is 2½ ft. wide, producing 8 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per fm.; the lode will produce from 5 to 20 cwts. of lead per

Dr. Brattie enquired the amount paid per share?
The Chainman said about 12s, 6d.
Dr. Brattie said his object was to show that it was a very handsome did.
The Chainman said there was no question as to the roturns reaching 10 month before the next meeting. It was estimated the next sampling would Mr. Chay observed that since Capt. Thomas had resigned the sune had og improved under the two underground captains, who, with less supervision better; and it appeared to him (Mr. Chay) that as these two captains had much real it would be opportune to give them an extra 14. 1s. per month, coarragement to persevere.

nuch seal it would be opportune to give them an entry of the constraint to persevers.

Mr. Mirchell reminded the meeting that living was very expensive in Wals, a compared with Cornwall.

The Chainman bore testimony to the excellent conduct of the two captain, well deserved the proposed addition, and he hoped the time would come when be would be able to give them more.

Mr. Clay then moved that Capts. Harper and Harvey's salaries be increased in the conduct of the conduction of the conduction

per month each.

Mr. Mrcontut, in seconding the resolution, observed that by strictly looking to the materials and stores, he believed a saving of 500?. a year had been effected us the present captains.

The resolution was then unanimously adopted, and a vote of thanks to the Chiral terminated the proceedings.

#### PENDEEN CONSOLS MINING COMPANY.

The quarterly general meeting of adventurers was held at the Auction Maricol House, Bartholomew-lane, on Wednesday,—Mr. W. E. D. Cumaine in the day. House, Bartholomew-lane, on Wednesday,—Mr. W. E. D. Curring in the size.

The Chairwan read the notice convening the meeting, and the minutes of the isa as also a report of the committee meeting, and an abstract of the accounts, white a peared in the Journal March 6.

Mr. Binneyr, upon the motion for confirming the minutes of the last meeting being not moved, as an amendment, that the appointment of Captain Blight as impensagent be rescluded, as the appointment was made contrary to the wishes of the loss shareholders, and that Mr. Greenwood be requested to give him notice that Mr. wiese would be dispensed with.

Mr. Chryroon seconded the amendment, observing that although a large major of the shares were held in London, they could get no information as to the share.

Mr. Bight, who was appointed by a small number of the local shareholder.

A SHAREHOLDER wished to know whether there was any tangible reason appeared by the great property of the shares were need to know whether there was any tangible reason appeared by the sing employed, and whether Capt. Eddy required any other application.

Mr. Blayb being employed, and whether Capt. Eddy required any other application of the share share with the consistent of the committee of the share share of the last meeting were then unanimously confirmed, with then the minutes of the last meeting were then unanimously confirmed, with then applied the resting to the appointment of Capt. Blight—thus adopting a caption of that part relating to the appointment of Capt. Blight—thus adopting a caption of that part relating to the appointment of Capt. Blight—thus adopting a caption of that part relating to the appointment of Capt. Blight—thus adopting a caption of that part relating to the appointment of Capt. Blight—thus adopting a caption of that part relating to the appointment of Capt. Blight—thus adopting a caption of that part relating to the appointment of Capt. Blight—thu

amendment.

Mr. CLEFFORD then moved that a London committee be appointed, as the white the principal shareholders resided in London.

Mr. WINGPIELD seconded the resolution.

A SHARKHOLDER wished to know whether constituting a London office would always be open to them retined involve great expenses for reat, secretary, &c.

Mr. Bawders said, as regarded the office, his would always be open to them retined.

Mr. CLEFFORD observed that the committee in the country were wholly compared merchants, and, however respectable they might be, they were not the right past to form a committee.

o form a committee.

Mr. Bransv said there were two evils in the matter, one having a committee nerchants who had a very small interest in the property, and the other a scale sense in London. The worthy Chairman held a third of the mine, and bok as atterest in the prosperity of the undertaking; and he (Mr. Birdsey) considered searce will would be to incur a small expense in London.

Mr. Cherswood suggested that, before carrying the resolution appointing also on committee, they ought to rescind the resolution appointing the gentleman

on commutative, usy vaga-cornwall.

Mr. CLIFFORD then proposed that the services of the Cornish committee he sensed with, and that the best thanks of the meeting be tendered to them.

Mr. ORTON seconded the resolution, which was carried unanimously. A resi-was also adopted, considering it advisable to appoint a London committee. To lowing gentlemen were appointed—Messra, Bawden, Clifford, Painter, Hallst, ming, and Birdsey, of London, and Mr. Williams, of Truro, and that three de

ming, and birdery, or someon, and are a quorum.

The proceedings were then adjourned for an hour, to enable the committee he mine the accounts.

Upon resuming the meeting, the report and accounts were unanimously slow, and a call of 5s, per share made, out of which it was stated that 3s, per share me be required for the steam-whims. Capt. Eddy was appointed manager, and a visit thanks to the Chairman terminated the proceedings.

# Mr. James Crofts sends us his usual weekly review, as follows:-

Mr. James Crofts sends us his usual weekly review, as follows:—
The writer reports with pleasure some recovery from the depression apparentiate and although the amount of business transacted has not been very large, equiries shares are both earnest and more numerous. Money appears also to have resist lowest point, as is shown both by the hesitation of the Bank of Eugland rousing a further reduction in the discount rate, and its more extended demand amp ankners, money dealers, and in all commercial channels; it is rather, however, the nest than a marked rise, and little effect will be produced on any description of sellative stocks, the more especially since the railway market is eliciting unequently symptoms of depression, owing to the falling off in traffic returns—a fact which is to the realisation of that description of stock without delay, as a prudent meanth lowed by a refervestiture of the funds in more eligible securities. As to the qualities the unining market putting forward a claim to spare railway and other capital, it as necessary to reiterate the remark, that, setting saids all and every speculative in the class of dividend mines cannot be too often brought into view when its, oresis be, known that they not only offer all the advantages of the choicest nationalies more risks, provided only the sound, well established, and well managein security from risk, provided only the sound, well established, and well managein security from risk, provided only the sound, well established, and well managein set off against a dividend of 2 or 3, and one of 15 to 20 per cent, per annas, leave a large balance in favour of the mining share. To touch, only nor thesis but the uttroot latitude allowed to this part of the question of security may leik est off against a dividend of 2 or 3, and one of 15 to 20 per cent, per annas, leave a large balance in favour of the mining share. To touch, only nor thesis hat the property and the property of the provident of the provident of the provident of the provident of the provi

Messrs. Powell and Cooke communicate the following remarks:

Mesars. Powoll and Cooke communicate the following remarks:—
Rather more business has been done than for a few previous weeks. The six
supply of capital for which employment is sought, together with the comparail
prices that have ruled of late, has stimulated purchases into dividend and prop
mines. It is not unreasonable that this should be the case, seeing that the
pay from 15 to 20 per cent. per annum, while the latter not unfrequently rise
during the present year with mines that have been prominently brought bit
hotice of the public by us in the columns of the Journal. Such results as the
likely to occur again, there being several mines under our notice at this is
estimated to the control of the con favour. Vale of Towy Mine, the merits of which we have frequently mening has been among the best in Wales. At the quarterly meeting, sentral-idividend of 10001, or 1s. per share, was declared; at least 80 tons of lead is expend to be sampled on March 27, with good prospects of the monthly returns being creased to 100 tons. The reserves in the mine are very large, and which will be considerably increased by the opening out of the 60 fm. level. The shares of good demand, and there is every probability of their going higher; in fat, a prospects of the mine fully warrant it. Great Wheal Alfreds have receded a life price. The returns from this mine for the month have realised upwards of leading opper and tin. A box of ore taken from the stope below the 160 (where its judging from its quality, we fully anticipate a more prosperous state of this provered again. The lode in the 20 west having improved caused the demand, and the late drop in price has been nearly accovered again. The lode in the 20 west having improved caused the demand like to. Wheal Harrietts in good demand, with every probability of going higher. Yet for the shares have been in demand, with every probability of going higher. Stay, price nominally 5 to 3½, owing to there being an absence of sellers, we full wards more enquired for. The slide which disordered the south lode has soft and the stay of the stay of the stay of the stay on the whole, better than for some time past. This is one be found as valuable were. It is reported to be now worth 1000, per fathom, and the prospects of the gas wind to be a south of the stay of the prospects of the additional concern are disposed to fully develop its resources; and, seeing with this concern are disposed to fully develop its resources; and, seeing with this concern are disposed to fully develop its resources; and, seeing with this concern are disposed to fully develop its resources; and, seeing with this concern are disposed to fully develop its resources; and

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dventurers relyan. He months sinc open in cost repersed wit the deep a h of about

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able as in that mine a great rise will take place in the price of the shares. We besitate to recommend Virtuous Lady and Wheal Bedford as a speculation of chances of secoses of more than an ordinary character. The Dale Mine has shaded some attention during the week, owing to the reported extraordinary early of lead, supposed to be a similar deposit to that at the Ecton Mine.

#### MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

[EXTRACTS PROS OUR CORRESPONDENCE.]

At WHEAL TREVELYAN, in the Marazion district, the engine-shaft is as sak to the 60 fm. level. On the late fall in the price of tin the adventurers of producing topped all shallow workings on the tin lodes, and the only operations of producing topped all shallow workings on the tin lodes in the engine-shaft is of a very congenial character; and in about three high the main tin lode, entailing a monthly expenditure of about 130!. The said at the engine-shaft is of a very congenial character; and in about three high the comper lode will be cut in the 60, and the in lode in the 50. Large quantity of the shaft of the shaft to the 60, at the reliable the congenial character; and in about three light in the 40, on the copper lode, coming into a hard irony stratum, the adventure, very properly and miner-like, determined on sinking the shaft to the 60, at the light point there is every reason to believe the lode will again make ore. The setting a very extensive one (upwards of a mile in length on the course of the lodes), adventurers have recently divided it into two mines, calling the new one West even the contract of the contract of the lodes, adventurers have recently divided it into two mines, calling the new one West opin in costeaning, an engine-shaft sunk upwards of 10 fms. in a beautiful killar, operand with quarts, mundle, and spots of yellow ore, and a cross-cut driven at the deep adit nearly 20 fms., towards the shaft, which it will unwater to a shift of about 18 fms. In driving this cross-cut four branches have been cut, two which contain good stones of yellow and black copper ore, which will fall into the as of the tobe cast of the shaft; the shaft will be drained by a line of flat-rods as limits to the east of the shaft; the shaft will be drained by a line of flat-rods as limits to the east of the shaft; the shaft will be drained by a line of flat-rods as limits to the east of the shaft; the shaft will be drained by a line of flat-rods as limits to the east of the shaft

As an econicin management.

AST WHEAL BUSSELL.—It is encouraging to find, by the agent's rethis week, that the winze sinking below the 66 is improving in value, worth for

120.7 to 1402 per fathom, with indications of further improvement. The 88

will soo be under the valuable shoot of ore gone down in the bottom of the
al should it be out rich (which is fully expected) a considerable advance will

place in the price of the shares.

will soon be under the valuable shoot of ore gone down in the bottom of the and should it be cut rich (which is fully expected) a considerable advance will spice in the price of the shares.

North Fortescue Mine is likely to prove very productive. There have now found in the price of the shares.

North Fortescue Mine is likely to prove very productive. There have now found in the content of th

THE OF DARY MINE,—Appearances here are much improved of late, the company but worked the mine with the spirit it deserves, dividends would been declared long since; but few men being employed, slow progress is the mine, but cannot be followed or extracted without labour. WATH UNITED.—The produce of this mine for the last month's work-stather above 4 tons of tin, which fully met the current month's cost. The shaft if down for another level, and when levels are opened for some little distance arms will increase. A very large proportion of this mine is held in Cornwall, the present price of shares, few mines present so favourable an opportunity restment.

ALE OF Towy.—The prospects of this mine have wonderfully imdirections.

LE OF Towy.—The prospects of this mine have wonderfully imdirections are also as a superficient of the second development of the shaft,
as just entered the rich and extensive shoot of ore gone down in the 59, north
as just entered the rich and extensive shoot of ore gone down in the 59, north
as just entered the rich and extensive shoot of ore gone down in the 59, north
teries are expected, and the sampling will in all probability amount to 300 tons
diquality lead ore, which will leave a large profit. The mine is likely to become
hable as any in the principality.

WWHEAL FRANCES.—An improvement has taken place in this mine,
hat sinking on the Gardon lode is not more than 5 fms. from surface, and the
yielding fine stones of black and grey ore, worth 1½ ton pur fm.; this lode,
e distance sunk, has been gradually improving for copper, and shows every inm of becoming very productive. The mine is situate at the junction of the
with the grantic, having the lodes of South Frances and the Bassets.

what we grantle, having the lodes of South Frances and the Bassets.

Week, a cargo of about 48 tons being sent off. It is expected to ship about some next mouth, as that quantity can easily be returned, if the severe weaterskamp. As soon as their dressing machinery is erected, the returns may be set to 100 tons monthly without stuking a foot, there being thousands of tons aided above the adit. The best criterion of the value of a mine is its returns it, which this mine will ere long prove most estisfactorily to its proprietors, it is out of the district, or is rather in a proscribed one.

EVADDEN MINE continues rapidly to improve, and will ere long be-dividend stock. Both ends of the 10 fm. level are reported as having greatly red during the week. The sale for this mouth, 174 tons, is expected to fetch 104, per ton average, if no reduction in the standard takes place. Next sale ally diminished. Facts like these prove the old adage, "There are as good fish the sea as have been taken out."

EAL EMMA EXTENSION.—The end of the adit level has further im-sine our last, ore again making its appearance. There is now a good run of strainsat to have gone down in the bottom. This is very encouraging, and as the mine as developed to be equal to the great Emma lode.

E Lead Mine.—The extraordinary discovery in this mine still conThe lead ore in the end of the 37 is now the full breadth of the level, 4 feet,
bably extends still further on each side; this end cannot be valued at less than
300, per fm; a she level is extended immense quantities of ore can be stoped
on the roof. As the ore was first discovered in the upper part, and is going
land downward at present, it is estimated that two men can break I ton of ore
arket in eight hours, but this quantity will be greatly increased as the level
smore developed, and a larger number of men can be employed. We are inthat this discovery has made an immense sensation in the district, as well as
special and Manchester.

or Fowey Consols.—The prospects at this mine are exceedingly ging, and it bids fair to become as valuable a property as its rich neighbour,

FIGAL EDWARD.—The prospects at this mine are very good. The lode at the start is 50 to 9 ft. wide) is valued at about 1002, per fathom, and is expected to be as rich as ever. The side which recently disordered the lode at aft has nearly disappeared. The 61 cast is being driven on a good course aft has nearly disappeared. The 61 cast is being driven on a good course and several other important points on this champion lode are being rapidly god. A dividend of 5s. will be declared at the coming meeting (this month), arious points of operation on the north lode are looking very well, and there is but of this mine becoming a good dividend-paying property.

EAT TREQUINE.—The first instalment of 2s. per share, payable at 6d. onth, has been very well responded to, and it is hoped the total amount will be to thoroughly test the mine. The constitution of the company prevents the strom making a call. The additional 2s. per share will yield 14001, and by bonus, the directors are authorised to create 2800 new shares, to give the subscence in the control of the company prevents the strom making a call. The additional 2s. per share will yield 14001, and by bonus, the directors are authorised to create 2800 new shares, to give the subscence in the company prevents the company prevents

Fr Providence Mines.—A new 40-inch engine is now making at . Harvey's, Hayle, for these mines, where the new engine is being creeted with sible expedition. The carpenters and smiths' shops, with account-house, are y completed, and all goes on well.

Formpleted, and all goes on well.

Great Caradon and Slade Mine, we are glad to hear, is progrey favourably, it having been reported to us that the shaft is now down
, and a plat is being ent preparatory to resinking the shaft, to intersect the
bout 30 or 35 fms. in depth, where abundance of copper ore may confidently be
ad to be met with. If the ore obtained from the additered can be considered
indication, which has been examined by experienced miners and captains, and
ad to be as good as can be expected at so shallow a depth, and the south icles
South Caradon Mine passing longitudinally through this sett, which is 1½ mile
i must in a short time become a very valuable property.

t must in a short time become a very valuable property.

LADY BERTHA MINE hat, by order of the committee of managebean inspected by Capt. Joseph Hodge, who, after explaining the position of seral points of operation, reports that it is quite perceptible that the ore lalready opened, and now easily wrought, is ample to meet the expenses of ditional prosecutions as he recommends, and leave, probably, a balance in of the adventurers; while so progressing, in fact, there is every facility for sing the future samplings, which should be attended to. There is ample ma-

mery erected to carry the mine to a great depth, consequently the greatest per-erance should be applied to sink deeper, and extend levels east and west. The supects of the mine in general are such as to warrant any amount of outlay to be de that should be required for legitimate prosecution, but he concludes that ero ag a most permanent and profitable mine will be established, without further calls ing made; but the more probable returns of profit will be made while progressing

The TRETOIL MINES will sample about 70 tons of copper ores next sets. The rich iron lode continues its productiveness; from 300 to 400 tons are now ady for sale.

ady for ease.

The WEST CRINNIS AND REGENT MINES are looking well: 100 tons of a will be annoted in a few days, with every prospect of a continued increase.

The West Crimins and Regent Mines are looking well: 100 tons of ore will be sampled in a few days, with every prospect of a continued increase.

Dale Lead Mine (Limited).—This mine is now fairly proved to exceed in richness, at the same depth, the celebrated Ecton, adjoining, from which the late Dake of Davonshire realised above 60,000f. per annum for so many years. The main, or Pipe vein at Dale being larger, and according to Captain A. Thompson, who gives it his decided opinion, it will outrival that truly wonderful mine Ecton, which produced the largest mass of ore in Great Britain. There are two side veins found very productive, and being worked on tribute, all of which will be intersected by the great Lam, or cross-course, 70 fms. wide. Mr. J. H. Hitchins has given it as his opinion that at the junction a large body of ore will be found. The sum available for the future development is ample—3500f.; this, with the increased returns of ore, will ensure a profitable result to all who invest. The majority of the shares are held by influential gentlemen of the locality, who hold for investment. The lead holds splendidly; we have it 4 ft. solid, how much larger we cannot say.

At Angarrack Consols, a fine lode has been passed through at the engine-shaft, 5 ft. wide. The machinery and erections are completed, and the works are proceeding satisfactorily:

MILL POOL MINE.—The balance of 78f. being in favour of this mine is very satisfactory to the adventurers. It is likely they will be amply repaid for their perseverance. The mine from the commencement, and during the high prices for its shares, never looked so well as at present: dividends will now surely accrue.

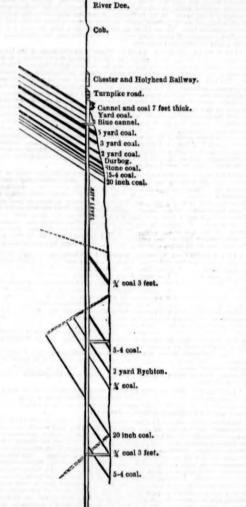
EAST RUSSELL is still improving in bottom of the winze in the 60, and

EAST RUSSELL is still improving in bottom of the winze in the 60, and kely to continue. If the 88 had been driven, as advised some time since, East Russell ould be now one of the best mines in the district.

#### COAL AND IRON MINING IN FLINTSHIRE.

In our last Journal we briefly alluded to the prospectus of the Byohton Coal, Cannel, and Iron Company. During the week a mining engineer of some celebrity in the locality has carefully impected and reported on the colliery; and, after alluding to the value of the coal seams, which no one doubts, he says the iron ore in the estate is nearly inexhaustible, and of very good quality. In our previous notice we stated that the aggregate thickness of the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the property of which well as the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft., and now subjoin an illustration which will see the seams of coal exceeded 70 ft. which will show the manner in which they are deposited, and the faciliti ffered for advantageously working them.

SECTION OF BYCHTON COLLIERY, MOSTYN, FLINTSHIRE.



The close proximity of the colliery to the railway and the River Dec will ensure a ready means of transporting the produce at a merely nominal rate. We learn that negociations have already been commenced with certain ironmasters with regard to the ease of slock, and that the prospects of success are considered highly favourable. A principal shaft, of 12 feet diameter, bricked and set with Aberdew lime, has been completed, and is now working the 5 yard coal. The 3 yard coal is being worked by another shaft; and a third shaft has been sunk to work the Cannel coal. The superior quality of the Mostyn coal is well known, and the steam coal at these collieries is said to be equal to that of South Wales.

The Carway and Duffryn Stram Coal Company.—The manager this week reports that the survey of the properties belonging to this company is now complete, and the plan showing the underground working of the several collieries is being prepared. The vain is 9 ft. thick of pure anthracite, eminently adapted for malting, lime burning, and steam-engines; and the length of the vein on the property of the company is one mile and three quarters, and the breadth nearly one mile, containing sufficient coal to last more than 100 years, with a raising to the surface of 500 tons per day. From the present four perpendicular and aloping shafts, when the whole machinery now erecting is completed, there may be easily raised from 150 to 200 tons daily. The whole of the machinery, there is no doubt, will be at work within a month from this date. The present raisings average 300 tons weekly, and the demand exceeds that quantity, but the order from Brighton for 1000 tons can be executed within a month. The foundation for the new engine is progressing satisfactorily, and the shaft nearly completed, and the ground for the workshops and offices is marked off. From the Carway Pit the coal is all that can be desired, and large and small in equal proportions. The Duffrya Pit, he expects, will be similar when the machinery can be brought into use. From the Hamgreen Pit the coal continues of the same character, and a large demand may be expected during the next five months for lime burning purposes in the district. From the Forest Mine he expects the coal to improve week by week; at present it is quite as good as anticipated. The railway siding to the weigh-engine is nearly completed, and, when finished, will be of great value to the company. The stock of large coals at Pembrey is much reduced by the sales, but at Tycoch and Kidwelly the demand is well supplied, and the manager's attention will be directed to furnishing a sufficient stock at the railway, and to meet the sesson's demand. The machinery is in good condition, and the soveral party THE CARWAY AND DUFFRYN STRAM COAL COMPANY .- The manager are being brought into good working order.

The Workington Hematite Iron Company are now making iron. Their first furnace was put in blast about three weeks ago, and so far, under Mr. Thorburn's management, the result is most favourable—114 tons of excellent iron were made the week before last: some of which, No. 1 pig, has been sant to Lowes, where Mr. Fletcher will, doubtless, give a good account of it.—Whitehaven Harald.

# Mining Correspondente.

BRITISH MINES.

BRITISH MINES.

ABBEY CONSOLS.—J. Trewin, March 8: The lode in the 10, west of the eastern shaft, is not quite as good for lead as stated in my last report; worth at present about 9 cwts. per fathom. There has been no lode taken down in the adit level, west of the engine-shaft, for the past week. The stopes in the back of this level are yielding 7 cwts. of lead per fm. The stopes in the back of this level are yielding 7 cwts. of lead per fathom, and have an appearance of improvement. No. 1 stopes are worth 10 cwts. of lead per fathom, and have an appearance of improvement. No. 1 stopes are worth 10 cwts. of lead per fathom. We have not been able to dress any ore for the last forthight, the weather has been so severe.

ALFRED CONSOLS.—M. White, T. Trelease, T. Hosking, March 10: There is no change to notice in the 160, at Field's engine-shaft, since the last report. The north lode in the 140, west of cross-cut, is worth 15, per fathom. This lode in the 120, west of cross-cut, is worth 15, per fathom. This lode in the 120, west of cross-cut, is worth 15, per fathom. This lode in the 190, east of the shaft, is worth 80, per fm. The north lode in the 100, east of the shaft, is worth 80, per fm. The north lode in the late of this shaft, is worth 80, per fm. The north lode in the lavel, cast of this shaft, is worth 55, per fm. The main lode in the 100, east of this shaft, is worth 56, per fm. The main lode in the 110, east of said shaft, is worth 56, per fm. All other parts of the mine are just as for soone time past.

ANGARRACK CONSOLS.—J. Barratt, March 10: During the past week we have sunk through a lode at Cox's engine-shaft, bearing east and west, dipping north; its composition is flookan, prian, and mundis, with occasional spots of lead, its breadth is 5 ft., and a promising lode. The end being driven weat on Eatour's lode is looking much better. The lode in the end being driven weat on cannote lode is looking nuch better. The lode in the end being driven weat on Eatour's lode is looking nuch better. The lode i

men and three boys, at 10t, per fm. The western end to one man and one boy, at 3t, per fm., the eastern end to one men and one boy, at 3t, per fm. The ground in Corse shaft, and in both ends, is at present much more favourable, and can be wrought with less expense.

ASHBURTON UNITED.—Wm. Mosking, March 10: At our monthly setting, on Saturday last, the whole of the pitches were retaken at tributes varying from 10s. 6d. to 12s. 6d. in 11. Mr. Easles's tender for srecting the engine-house, &c., is accepted, and the buildings will be immediately proceeded with.

BALLYMONEEM,—W. Barkla, March 6: The ground in the 15, driving east and west, is rather slow for opening, and without any change for sulphur. In consequence of the hardness of the ground I expect we shall not hole the winze for some days. The east level has been driven since last report 2 ft.; total, 6 fm. At 11 in. We are making every necessary preparation for sinking a winze below the 15.

BALLYVIRGIN.—D. Macdonald, R. Pellew, March 4: The west cross-cut from the bottom of the engine-shaft has been driven 45 ft., the ground is very hard for driving; there is a vein of calc-spar in the present end carrying spots of copper. The lode in the northern at 1s 4ft, wide, and is worth at present 15 cwts. of lead, 10 cwts. of copper, and 7 tons of mundic per fm.; the lode appears to be still turning round to the cast. No. 2 stope is suspended, and the men brought back to rise for another stope from the south end of the horse of lime-rock, this we shall call No. 1 stope in future; this ground is worth 1 ton of copper, 5 cwts. of lead, and 10 tons of mundic per fm. No. 3 stope is suspended, and the men brought back to rise for another stope from the south 10t of copper, 10 cwts. of lead, and 5 tons of mundic per fm. No. 3 stope is suspended, and the web per contains post of the west worth 1 ton of copper, 5 cwts. of lead, and 6 tons of mundic per fm. No. 3 stope is worth 1½ ton of copper, 5 cwts. of lead, and 6 tons of mundic per fm. the south load of the weight of t

in the 10, on account of the severity of the weather.

BOG MINE.—E. Rogers, March 11: There is no material alteration in either of our tutwork bargains since survey day. The lode in the rise in the back of Perkins's level, is about 2 ft. wide, and worth for lead and blende 30f. per fathom. In the end driving east in the same level the lote is 18 in. wide, worth for lead and blende 16f., per fathom. We have not yet had any applications for the pitches in the back of the Boat level. The weather is so severe that we cannot do anything at surface, but so soon as any change occurs we shall commence crushing the ores, and removing the whim to Perkins's shaft.

whim to Perkins's shaft.

BOILING WELL.—J. Delbridge, March 6: In the 20, east of Syrett's, the lode is from 3½ to 4 feet wide, yielding lead, blende, and stones of copper ore. In the 20, west of ditto, the lode is 1ft. wide—tributs ground. In the 30, east of Austin's, the lode is from 20 in. to 2 ft. wide, tribute ground. In the 30, east of Austin's, the lode is 2 ft. wide, tribute ground. In the 30, west from Syrett's, the lode is 2 ft. wide, tribute ground. In the 40, east of Austin's, the lode is 20 in. wide, yielding some fine work for lead, with a very good appearance. In the 30, east of No. 2 cross-cut, tribute ground. In the 50, east of No. 3 cross-cut, tribute ground. In the 50, east of King's, the lode is from 20 in. to 2 ft. wide, yielding, lead, blende, and stones of ore. In the 60 west the lode is 5 ft. wide; in the 60 cross-cut we have cut the wall of the lode to-day, but cannot report on it yet; in the 60 cross-cut we have to 5 to 6 ft. wide, yielding stones of copper ore. We are driving a 20 cross-cut to the south lode, which we hope to meet with in a few days. Other parts of the mine are without change to notice.

BRONFLOYD.—M. Barbary, Meach 11. The seath that

are without change to notice.

BRONFLOYD.—M. Barbary, March 11: The south lode in the 17, west of No. 2 shaft, is not looking quite so well as when last reported on, yielding now about ½ ton of ore per fm: we have commenced rising is back of this level by four men, at 54. per fm., and the lode for the breadth of the rise will yield about ½ ton of ore per fathom. The severity of the weather still continues, and our surface operations are suspended. BRYNTAIL.—J. Roach, March 16: The 10, driving cast of No. 2 cross-cut, on the north part of Bryntail lode, continues the same in appearance as when reported upon last week. I hope to resume sinking the winze under-the 10 in a short time.

BWLCH CONSOLS.—R. Northey, March 8: Our surface work has been completely shut up all last week. I have put a great number of men to-day to clear the leats, if possible, and get the water down. The underground operations are looking just the same as last reported. We have holed the winze to the 60.

CAMBORNE CONSOLS.—Wm. Roberts, March 9: The following bargains were

same as last reported. We have holed the winze to the 69.

CAMBORNE CONSOLS.—Wm. Roberts, March 9: The following bargains were set on Friday last:—The 30 to drive east on the caunter by six men, at 151, per fm.; lode small. The 20 west, on ditto, by two men, at 104, 108, per fathom; the lode is 1 ft. wide, at present unproductive. In the 10 west the lode is 1½ ft. wide, composed of spar and flookan, with occasional stones of ore. A winze to sink under the 10 by four men, at 31, 10s, per fm.; lode small.

CARADON CONSOLS.—Wm. Rich, March 9: Harrie's lode, in the 38 cast, is divided by a horse of granulte in two parts; the north part, which is about 15 in. wide, is composed of kindly fluor-spar, peach, and spots of ore. This seems to be the main part of the lode, and has a very promising appearance. There is nothing new in the 38 cross-cut south since last report. The ground at present is rather stiff for driving. The lode at boundary shaft is still small, and appears to be inclining north more than usual.

more than neual.

CARMARTHEN UNITED.—T. Williams, B. Sanders, March 11: We have set Harrison's engine-shaft, to six men, to complete the lift to the 12, at 101, 10s, per fm. We are down now about 9 ft. under the 7, and hope if the ground continues favourable for sinking to complete the lift in about five weeks, when we shall be deep enough to drain all the old workings, and where we also intend to cut a plat, and drive north and south on the course of the lode. The lode at the shaft is about 5 ft. wide, producing good saving work for lead. The winze sinking in the bottom of adit is down 2 fathoms; lode 3½ feet wide, producing some good stones of lead, and has every appearance of improvement. Owing to the severe frost and snow our dressing is quite at a stand still.

is quite at a stand still.

CASTELL.—J. Lester, March 3: Owing to the continuance of such severe weather we have done nothing since last report. Our works being all open to surface, and in such an exposed situation, I thought it better to stop altogether until a change takes place. This morning everything is covered with anow.

CATHERINE AND JANE CONSOLS.—Richard Harry: In the stopes south-east of No. 3 winze the lode is 5 feet wide, composed principally of spar, sulphur, blends, and lead ore, producing of the latter 12 cwts. per fm.; this lode has a very kindly and promising appearance. The cross branch is yielding at present about 8 cwts. of ore per fm. There is no change to notice in any other part of the mine since last report. COLLACOMBE .- S. Mitchell, March 9: There is no alteration to notice.

COLLACOMBE.—S. Mitchell, March 9: There is no alteration to notice.

CWM ERFIN.—March 9: The sharp frost prevailing in this locality has quite put a stop to all surface operations, and very much impeded the workings below by not being able to bring away the stuff. The lode in the 57, east of drawing shaft, continues as when last reported. The tope in the back of this level, west of the winze lately holed, yields a half ten of lead ore per fm. The lode in the 45, going east of cross-cut, is at present small and unproductive. The stopes over the back of the 45, east and west of the erosa-cut, continue to yield. 15 awas, of lead ore per fm. The stopes in the back of ditto, and 12 fms. east of the cross-cut, yields I ton of lead ore per fm. The stopes in the back of ditto, and 17 fms. east of the cross-cut, yields I ton of lead ore per fm. The stopes in the back of ditto, and 17 fms. east of the cross-cut, yields I ton of lead ore per fm. The south part of the lode being takes down wast of the cross-cut of the cross-cut of the cross-cut, in the passed through about alian some good bunches of ore, and further trial is required to prove its value. The lode in the rise over the back of the 52 has been somewhat improved since last report, yielding at this date full it on of lead ore per fm. The stope in the back of this level, east of the cross-cut, yields 1½ ton of lead ore per fm. So alteration in the 20 cross-cut since last resport. We sample this day 20 tons good quality ore.

CWM SEBON.—J. Boundy, March 6: I have nothing new to notice in any part of the mine since last reported, than that the weather during the week has been very savere. Our pumping wheel has been at a stund-still since Tuesday last, in consequence of which the water has risen 6 fms. above the back of the 50. There is at this time at little alteration in the weather. I shall try to-day if we can set the pumping-wheel to work. All the wheels in the neighbourhood have been idle in consequence of the

DALE.—R. Niness, March 11: The lode in the 37 continues, and has, if anything, improved this week. Two men can break i ton of lead from the lode, as it now is, in a core of eight hours. Two men can break i ton of lead from the lode, as it now is, in a core of eight hours. The oldest miners here say they have seen nothing like it for 30 years. I inspected East Wheal Rose when the shares were at their top price, and I saw no course of isad equal to this. The 32 south, on No. 3 lode, has a leader of lead, about 6 ins. wide, solid. The 20, on Johnson's lode, going east, is yielding good ore, and the ground indicates an approach to some intersection.

DEVON AND COENWALL UNITED:—Thos. Nell, March 8: There is but little change to notice since last report. The levels and stopes throughout the mine produce about the usual quantities of ore, and the mine altogether looking very well.

DEVON PULLER.—W. Neill, March 11: Since my report of last week the western shaft has been communicated to the 44, which has given us good ventilation. All other operations continue much the same.

DEVON BURRA BURRA.—J. Saxro. March 11: If all goes on well all our upbill

DEVON BURRA BURRA.—J. Spatgo, March 11: If all goes on well all our upbill ork will be over this week, as the water is forking satisfactorily. Capt. Lord is very usy about the pitwork.

busy about the pitwork.

BOLWEN.—F. Evans, March 3: I have put the men to drive north on the lode in the adit, to be satisfied that we are through it. Nothing is doing in Edward's level; the frost stops the wheel.

DRAKE WALIS.—Thos. Gregory: Betteley's shaft is set to sink below the 90 at 37, per fm., the branches in which are producing more tin than for some time past, and the ground favourable of progress, but the water is troublesome in sinking. In the 90, east of Betteley's, we have no change to notice. The branches in the 90, east of Matthew's, produce good work; the stopes in the back of this level are producing moderate work. The branches are producing coarse work; the stopes in back of this level are producing swing work. In the 80 the branches are producing coarse work, and the ground slow of progress; the stopes in the back of this level are producing swing work. The branches in the 70 east are producing some good work; no change to notice in the stopes. In the 80 cast the branches are moderately productive; the stopes in back of this level. In the 80 cast the branches are moderately productive; the stopes in back of this level.

KAST CAEN BREA.—T. Glanville, March 6: We have to-day put our engine to work; all well.

Thos. Glanville, March 10: Our engine is working well, and the water force.

all well.

S. Gianville, March 10: Our engine is working well, and the water forked athoms below the adit. The men are engaged clearing the old workings adit.

Thos. Olaswills, March 10: Our engine is working well, and the water forked about 4 fathoms below the adit. The men are engaged clearing the old workings below the adit.

EAST ROSEWARNE.—J. Delbridge, J. James, March 6: At the engine-shaft sinking below the 33 the look is 2 ft. wide, yielding good stones of copper ore; set to sink by six men, at 184, per fm. In the 33 west the look is 20 in. wide, yielding some good opper ore; set to drive by four men, at 30. per fathom, and 10a. tribute. In the 22, east of King's shaft, on the north lode, the lode is 1ft. wide, yielding some good black ore; set to drive by four men, at 33. bs. per fm.; the lode in this level seems to improve in appearance. We purpose driving west on the same lode as soon as the shaft is properly communicated. In the 22 west, on the same lode, the lode is 5 in. wide.—tribute ground. In the 22 west, on the same lode, the lode is 9 in. wide.—tribute ground. In the 22 west, on the same lode, the lode is 9 in. wide.—tribute ground. In the 22 west, on the same lode, the lode is 9 in. wide. stones of ore; although yielding but a little ore the lode has a good appearance. In the 12 cross-out, twards the north lode, so lode as yet has been out; we expected this lode would have been cut, but the lode seems to have a greater underly than was expected. In the 22, east of the engine-shaft, the lode is 6 fm. to intersect the lode. Hallott's shaft is sunk about 16 fathoms below the surface; set to sink by aix men, at 6. per fm. We have set two pitches in the back of the 33, at 10s. and 13s. 4d. tribute; one pitch in the back of the 22, east of King's shaft, on the north lode, at 10s. We have four others working, at 12s. and 13s. 4d. tribute. We are driving all we can, but our tribute department is not looking so well as for the two months past. We hope to communicate Hanley's shaft in the present month with the 22 east, and drive towards the Brook south lode with all speed.

EAST WHEAL BUSSELL.—J. Goldsworthy, March 10: We have been sinking in the winse this

and green carbonate of copper ore, 3 ft. wide, wide, and and worth for the winns from 1201, to 1401, per fathom, with indications of a farther improvement. This looks well for the 88; we shall now wink by the side of the ore part of the lode for a week before we take it down, by doing so we can save the ore much cleaner.

EAST WHEAL TOLGUES.—Redruth Consols Lode: The lode in the 46, east of the engine-shaft, is 15 in, wide, consisting of quartra, prian, mundie, and occasional stones of ore. The lode in the 34, east of the engine-shaft, is 15 in, wide, consisting of soft spar, mundie, jack, and good stones of ore, and letting out a quantity of water. We hope shortly to be able to resume the sinking of the wines again in the bottom of the 22. The lode in the 21, cast of the engine-shaft, is 20 in, whice, producing good stones of copper ore, and aving own for tim. The lode in the 12, east of the engine-shaft, are yielding about 2 tons of ore per fin. each. We have communicated John's inclined shaft to the rise in the back of the 12. We shall now have to put in timber to secure the rise, and to case and divide the shaft, and we think we have from 3000 to 4000 kibbles of stitle in the stull in the rise to draw away. The ground in the 12 cross-cut south is much the same as when last reported—rather and—North Lode: The lode in the adit end, driving east from the engine-shaft, is 10 in, wide, consisting of spar, mundie, jack, and spots of ore.—March 6.

FOWEY CONSOLS.—J. Packey: Looking at the general prospect throughout the different ends, I see but little room to make any remarz. The 240 end sast, on Treather's lode, is a little improved. The 320 has been very good home to within 25 ft. of the end, where the lode has made a spiles; but where, as we expect, we have consistent of the strength of the same and a spiles; but where, as we expect, we have constituted to the same and the same and

GREAT SHEBA CONSOLS.—J. Spargo, March 10: Kelly Hole Shaft: The men are now engaged here putting in bobs, &c., so as to commence sinking; this work will be completed in a few days. There is no material alteration in the western part since my last report.

my last report.

GREAT SOUTH TOLGUS.—J. Daw, March 10: The lode at Lyle's shaft, sinking below the 70, is 3 feet wide, composed of quarts; mundie, peach, and copper ore. In the 70 the lode is 1 ft. wide, producing 1 ton per fm. In the 60 the lode is 1 ft. wide, unproductive. In the 50 the lode is 1½ foot wide, producing 1 ton per fm. Other parts of the mine are smuch the same as when last reported.

parts of the mine are much the same as when last reported.

GREAT TREGUNE CONSOLS.—J. Sparzo, March 10: The lode in the 50, west of Hobler's shaft, is much improved since the last report, the leading part 6f the lode being 4 in. wide, solid ore. We have also met with a small cross-course, and it is my impression as we drive on that the lode will continue to improve. The lode at Carkeck's is changed much for the better. We have 9 ft. further to drive, when we shall GREAT WEST SOUTHERDOW.

ommence grying to mit.

GREAT WEST SORTRIDGE.—J. Richards, March 11: In the 50 wealthe part of
the lode being carried is composed of capel, spotted with rich ore, quarts, and mundic.

the lode being earried is composed of capel, spotted with rich ore, quarts, and musdic, GREAT WHEAL ALFRED.—M. W. Michell, W. Arthur. March 6: The lode in Gopper-house shaft, sinking below the 180, is 3 t. wide, producing occasional stores of rich yellow are. We are still cross-outting south at the 180. We have commenced driving the 170 week from the point of the lorse on the south part of the lode, which is 5 ft. wide, carrying a small branch of copper ore on the north part. Me change in the cross-cut south at this level. The lode in the bottom of the 180 is still locking splended, and worth fully 100t, per fm. The lode in the 180 weat, on south part, is 2½ ft. wide, worth 150, per fm. The lode in the isvel, on the north part is 2½ feet wide, of a more promising appearance than for some time. We sold on Wednesday last 123t, 18. 3d. worth of tinatum. It for warded, per Commani steamer, some specimens of copper over from the bottom of the 160, and 160 end on the south part. No other change to notice.

GREAT WHEAL BADDERN.—J. Jenkin, March 9: In the 61 end east the lode is 10 in. wide, producing 1/2 ton per fm.—ground hard for driving. In the stopes east of No. 5 winns the lode is 1 ft. wide, yielding about 1 ton of lead ore per fm. The 51, and, driving east, is much the same as when last reported on. In No. 6 winze, sinking below the 51, the lode is 6 in. wide, producing a little lead ore; in the stopes in back of the 51, bahind the end, the lode 10 in. wide, turning out about ½ ton per fm. Every other department through the mine is without alteration since last report.

Every other department through the mine is without alteration since last report, GREAT WHEAL BUSY UNITED.—J. B. Pascoe, Marché: The pumping-engine was idle from Sunday to Tue-day morning last, by reason of the breaking of the glands of the gadgeon-bob in the 30; the water rose 2 ft, above the 30. We are this day again draining the 33, so that we hope to be in fork on Monday. The weather has been severe here this west, but for which we should have dressed 150 tons of ore more than we have done. We shall have now to sample about 600 tons, and shall leave out 400 tons; so we shall have from 500 to 600 tons to sample next month. We must now ample monthly, and I think we shall raise not less than 600 tons per month. Our prospects are improving fast: we hope to have access to the course of ore in the Chyanoweth bottoms, in the bottom of the 30, in a few days from this date. All other work is progressing well.—P.S. Could we have dressed our ore we should have had 1000 tons.

work is progressing well.—P.S. Could we have dressed our ore we should have had 1000 tons.

GREAT WHEAL VOR UNITED.—Thos. Gill, March 6: At Old Mine and Wheal Metal the lodes generally average from 7t. to 13t, per fathom, and in some instances have reached 25t, and 35t. The prospects at present throughout the mine are looking well. We had a breakage on Tuesday last; the wheel broke on the angle-bob in the 17t, at Cresse's shaft, which caused a delay of thirty bours in putting the drop-lift to work at Bounder shaft, below the 14s. I found the rods and bob in the 17t and fixed correctly, which has caused these breakages, but from the alteration I have made I think they will continue to work well until we drain the mine to the bottom; when I shall make other alterations in them; they are working very well at present. We have decopped the lift at Bounder shaft 5 fathoms below the 24s, and have forked the water 14 feet below that level, and I expect it will be drained to the bottom of the lift by Monday morning.—Dressing Department: Our stamps are working very well, but there are some alterations to be made in the dressing-floors. The severity of the weather for the past week has made against us very much in dressing our tin, and as the former spents cleared up all the tinstoff they possibly could before they were out of office, I fear that our quantity of tin this month will not be so much as last, unless you will allow me two or three days longer to dress than the usual time, which I hope you will grant me.

HAWKMOOR.—Jas. Richards, March 3: We have commenced driving east and west in the 60 fathom level, but have not taken down the lode. Other parts of the mine are without alteration.

HINGSTON DOWN CONSOLS.—W. Richards, March 10: The lode in Morris's last the set of the mine are without alteration.

HAWKMOOR.—Jas. Richards, March 3: We have commenced driving east and west in the 60 fathorn level, but have not taken down the lode. Other parts of the mine are without alteration.

HINGSTON DOWN CONSOLS.—W. Richards, March 10: The lode in Morris's shaft is altogether 6 ft. wide, 2% ft. of which is orrey, and will produce from 2 to 3 tons of good ore per fathom. The lode in the 100, west of shaft, is large, producing ocasionally rich stones of ore, In the 75 seat the lode is from 4 to 5 ft. wide, and will yield from 1 to 2 tons of ore per fathom. The same remark will apply to the 65 seat. Doidge's winze is without change.

HOLMBUSH.—In the 145 south, the men are still cross-cutting south in search of another part of the lode, which we expect is further south. On the 145 west, on the opper branch, the lode in the send continues small, being still in ground disturbed by cross-courses. In the 145 south, on the lead lode, the men will commence at once to cut into this lode, from which we expect good results. In the 160, east of the diagonal, the lode has not been taken down in the satopes in the back of this level, east of Lemon's winze, will produce full 1½ ton of ore per fathom. In the 160 west the me continue to drive south, to intersect the lode hove south by the cross-course; a fair progress is being made. In the 135 south, on the lead lode; the lode west the me continue to drive south, to intersect the lode hove south by the cross-course; a fair progress is being made. In the 135 south, on the lead lode; the lode in the end continue to improve as we proceed south, and we expect to have in this end ere long a very productive lode. In the 145 west, on the slap-jack lode, the lode is the end continue to improve as we proceed south, and we expect to have in this end ere long a very productive lode. In the 145 west, on the slap-jack lode, the lode is divided into branches, composed of quarts and mundic and a little ore, but not enough to value. Other places are without alteration.

KELLY BRAY.—S. James, March 6: T

lo wats, the north stops, 12 ewis.; and the south stops, 10 ewis, of lead ore per fun.

LADY BERTHA.—J. Metherell, March 10: We have cut through the lode in the 30 east, which is 6 feet wide; the south or leading part of it is 4 feet wide, and will produce fall 6 tones of ore per fun. We have commenced driving east on its course; this end is now about 4 funs, west of the cross-course seen in the 20, east of Moyle's shaft. In the western ead in the same level the ground is becoming easier for driving, and the lode more compact, producing occasional stones of ore; this end is now about 2 funs, behind Jenkin's winze, sunk in the bottom of the 20. In taking down the lode in the 20 west I find it has materially improved both in character and value; it is about 3 ft. wide, and will produce full 3 tons of ore per fun, worth 6f. per ton. We commenced on Monday last to drive east in the same level; we have not as yet taken down any of the lode, but it is very promising. The stopes in the back of the same level, east of Moyle's shaft on Monday next, March 15.

— Jas. Metherell, March 10: I am happy to inform you that I shall be able to sample 100 tons next sampling, if all parts of the mine now in operation continue so good as they are at present. I can calculate 37 tons from the stopes and diving, therefore, we may venture to say 100 tons. The mine altogetheris looking exceedingly promising.

LADY ELIZA.—The clearing up of the mouth of the old level is being proceeded

therefore, we may venture to say 100 tons. The mine altogetheris looking exceedingly promising.

LADY ELIZA.—The clearing up of the mouth of the old level is being proceeded with, and we shall have it clear to let the water off in about a week. A box of the ore has arrived at the office, and appears rish for silver; also a piece of molten lead, found near the old Roman furnace.—March 11.

LLANDUDNO.—March 9: Our cross-cut west at bottom is now extended 50 yards from shaft; we have not cut any more strings in the past month, but the ground is less eavernous than it has been lately, and we gropose to push on the cross-cut further; we think, however, that it is proper to give some trial on the strings already intersected, and have, therefore, taken four men of the eight in the cross-cut to commence driving south with on some of the most promising strings. The winse below the cross-cut is set again to eight men, and looking very kindly; there are spots of ore in the rock; we hope, in sinking a few yards deeper, to meet a strong bed seen in bottom of the shaft. The level driving south, on the east side of the shaft, has come into hard and unkindly looking ground, and we have removed the two men working there to join the two others stoping at per ton in the 56, north of the shaft; this place—which, you will remember, is above the great shale bed on the run of the old workings—is looking kindly. The different places at Treweck's stoping at per ton are, on the whole, much the same as for some time past; a few alterations have been made in placing the men for the convenience of working. The tribute taking was not out this month. The late server weather has interrupted our shipments of ore; there are several cargoes ready to send off as soon as weather permits.

MOLLAND.—Thos. Bennetts, March 10: Having in the past week altered som our pitwork, and fixed the lift in the cistern, we are again sinking the engine-the below the 20 by nine men; ground good for sinking, occasioned, I have no doubt, a slide being at hand, which is generally the case when a change of ground takes pit In the 20 cast we have a large, hard, kindly lode, spotted with yellow copper ore, to all appearance I think we may reasonably expect an improvement here shor The stopes in the level are much the same as last week, worth 5/, per fm.

to all appearance I think we may reasonably expect an improvement here shortly. The stopen in the level are much the same as last week, worth 5t, per fm. NANTEOS AND PENRHIW.—H. Boundy, March 10: Saturday last the following harginis wars let: .—To stope in back of the 20, west of Penrhiw, by four mea, at 14. 3a, per fm.; the lode yields 7 cwts. of ore per fm. To stope in back of the 10, east of 10,

shall make some little alterations in this setting list.

NETHER HEARTH.—W. Vipond, March 3: The level forchead is still in hard ground; both it and the stops are yielding about the same quantity of ore as last reported. We have commenced working a flat of ore in the Sun string, by two men, which will yield three or four bings of ore per week. We have the best ore here that we have had at the mine for many months. The level is set to four men, I fm., at 100;; the stope to two men, at 48s, per fm.; the drift is refused, at 68s.; Dodgeon level set of drive, wall, and arch, to four men, at 56s. per fm.

—W. Vipond, March 3: There is no important change since my last. We shall commence dressing ore as soon as possible. At present the roads and dressing-floors are fall of anow.

NEW WHEAL PRANCES —C. Carboth.

are full of snow.

NEW WHEAL FRANCES.—C. Carkeek, March 2: The shaft on Garden lode has been sunk about 6 ft. since last report, and is now 3 fms. from surface; the lode in this sinking has much improved, and is now yielding th ton of copper ore per fathom, with every appearance of further improvement; sinking by two men, at 3t, 10s, per fm. The deep add towards Wheal Top lode has been set to clear by four men and two boys, and is progressing favourably.

two boys, and is progressing favourably.

NEW WHEAL VOK AND EAST WHEAL METAL.—Jow. Vivian, N. Thomas, March 5: It afford us much pleasure to be able, on the present occasion of our bi-weekly report of these mines, to be it a position not only to confirm all which we have previously said, but to add considerably to them. At our engine-shaft we have a very large fine lode, then throughout, and from which we recked no nimmediate returns; samples from the lode during the week have all been good saving work, and

a sample taken to-day produced 4% cwts, of tin per 100 sacks. We have tode in the winne east of the shaft, which, from an influx of water, we assapend for the present; from this, however, we shall shortly be release from the shaft. We are still in old workings on Fenprare lode, and can as to when we shall reach a termination, but the further the nois working the better are the indications; we continue in find rish stones of tin, an at the present point is 5 ft. wide. In our last report we said we had met in our progress through the old workings on the Park-an-step lode traditionary accounts of its great riches; fortunately we as well as they were in error. They had no doubt discovered the lode at the surface, and the back, through fields now in pasture land, and were thereby induced foot of the bill and take up an adit, which must have been driven at an expense of time and labour; nevertheless, they never saw the lode in the at they left the vale, and it is manifest, from the intricacles of their workin is no way sequainted with the use of the dist, for in carrelly dialling in no way sequainted with the use of the dist, for in carrelly dialling to the two continues of the dist, for in carrelly distilling to the two continues of the distillation from the work in the ensuing weeks, and we have great expectations from the work in the ensuing weeks, and we have great expectations from the work in the ensuing weeks, and we have great expectations from the wheal Bramble lode continues very premising and productive; a san end to-day made a produce of 30 cwts. of tin per 100 sacks. In our adi whell Metal lode, there is a most splendid lode, as veral feet wide, are the same sinking under this level, a few fathoms behind the envery productive lode, 1½ ft. wide, and we may add that in all our minim we have never met with anything like the success which attends our pions. Our engine continues to do as well as we could desire, and we large that the same enter the same tamps.

cons. Our engine continues to do as well as we could desire, and we are propring with our steam-stamps.

NORTH BASSET.—Thos. Glanville, March 10: In the 192, west of Lyle's day the lode is 2 ft. wide, yielding stones of ore. In the 52 the lode is yielding ten ore per fm. At Grace's shaft, sinking under the 72, the lode is yielding 2 sees of per fm. All other parts of the mine are without alteration to report on.

NORTH FRANCES.—Sattling Report: Ealer's shaft to sink under the 45 by in men; this shaft is now 7 fms. 4 ft. 10 in. below the 45; there is now a horse in lode, which is split into three branches, spotted with grey ore; the ground is men; this load is 15 ft. big, with a little black ore, but not to value; ground very on the lode is 5 ft. big, with a little black ore, but not to value; ground very on spar; there is ore in the lode, but not to value. The 36 west by six men, at 41, per fm.; the lode is 2/5 big, harder, and with may har; there is ore in the lode, but not to value. The 36 west by six men, at 14.5 are full; the lode is 4 ft. big, divided at present by a horse, but which seems to be suppossible, to get to cross-course.—Tribute: The back of the 45, west of Ealer's shit to three men, at 102.

NORTH WHEAL TRELAWNY.—H. Hodges, March 10: Magon's shaftment.

to inree men, at 10s.

NORTH WHEAL TRELAWNY.—H. Hodges, March 10: Mag completed fixing timber for skips, cutting plat in the 27, and re of it under; this level is in favourable killss ground. The lode south at this shaft is 1 ft. wide, producing 2 owts, of lead per fat continues easy for exploring.

continues easy for exploring.

OOLA.—J. B. Champion, March 6: There is no change at the engine-shift, stopes cast of the engine-shaft will turn out about 1/6 ton lead ore per father. Stopes cast of the engine-shaft will turn out about 1/6 ton lead ore per father. FAR CONSOLS.—John Fuckey: It has been found necessary to keep bak in an a greet portion of our black tin, in consequence of the vary low price often the amolters. It has, however, rallied, and we have disposed of some, and are a waiting for a further moderate advance, when the remainder will most likely has The tin parts of the mine are looking just as usual, but objects of great import are being pursued with a view of further developing the tin lodes in this part of time. Annie's shaft, in the western part of the mine, has been commoned, as sinking through a very favourable channel of ground. We have commenced and sinking through a very favourable channel of ground. We have commenced that further west in Biscovey, or near Far Concols Mine, to sink on the black temporary trial, and have got some tin. In the copper part of the mine we have some changes, but not of a very serious charscoter either way, in the two or the places named, so as to make much alterations in the production of ore. To the stephen's lode, west of Mercdith's shaft, in the Earl of Mount-Edgeound's and thew's land, has improved, and is now worth 601, per fun. This is a very imported to be looked at, although not at a very great distance from West Program which it is leading. We have also cut Stephen's lode at the 150, north of its derlay shaft, which is of an orey and kindly character, both east and west five cut, and which seems to speak favourably. The general prospects and capabilite the mine continue the same.

FEDN-AN-DREA.—Capis, Carpenter, Delbridge, and Thomas. March 6: Their the mine continue the same.

the mine continue the same.

PEDN-AN-DREA.—Capts. Carpenter, Delbridge, and Thomas. March 6: Thism in the 90 end, west from junction, together with the stopes on the south per dis lode, are yielding fair stamping staff for tin. No change in the 90 cross-out mine the cross-course; the ground is hard for driving, and yielding occasional and copper ore. In the 50 west from engine-shaft, on engine lode, there is alticularly provement; ground favourable for driving, and letting out more water, with its opport ore. A few fathoms further driving and we shall be under the run of tages the old workers had in the level above. The tribute department is much them as last reported.

is last reported.

PENHALDARVA.—T. Hodge, March 10: The engine-shaft is 9 fms. below this pround without siteration. The 10 north will produce 1/2 ton of lead perfs. It topes north of Sandow's wings will produce 1/2 ton of lead per fm. Vigut's inking below the adit, is down a fms. 2 ft., and will produce 6 cwts. of leading the first produce 1/2 ton of lead per fm. Vigut's will produce 6 cwts. of leading the first produce 1/2 to 1/2

sinking below the adit; is down a fina. 2 ft., and will produce 6 cwts. of select We expect to communicate this winze to the level below by the beginning of mweek. No other change worthy of notice.

POLBREEN.—We have but little alteration to notice since our setting reported Saturday. There has not been any lode taken down in any of the bargaiss it take it down, as by that means the lode can be taken more care of, and also tages broken to better advantage. The western winze men have been clearing up to bottoms, putting in launders to carry back the water from Dorcas's shaft, is, we is now finished. We shall now begin to sink the winze, and shall some switch lode is. We find that the water is all gone, so there will be no fear of our bigs to sink the winze. There has been a hard floor of spar at the shaft all the which that smade very much against the sinking of it. There are branches due to fear from the lode, so we have to save plenty of the stuff from the shaft, all the dock appears to be large from the appearance of the wall, and we think locking for yielding a great quantity of good work. We have got the burning-locating PROVIDENCE MINES (Lelant).—A. Anthony, March 10: The lode is the life.

and have this week began to calcine the tin.

PROVIDENCE MINES (Leiant).—A. Anthony, March 10: The lode in falls level, east of Higgs's shaft, is 2 ft. wide, worth 40l. per fm. The bunch of tissin morth in back of the 75 east is 4 ft. wide, worth 130l. per fm.; the stope this morth in back of the 75 east is 4 ft. wide, worth 130l. per fm.; the stope this 75, east of Higgs's shaft, is 6 ft. wide, worth 75l. per fm. The lode stript 50ttom of the 65 east is 3 ft. wide, worth 40l. per fm. The lode in the least the 65, east of Comfort lode, on a limb of the earbona, is 18 in. wide, worth 51, per fm. The lode in the lode in Dunston's shaft is 18 in. wide, worth 51, per fm. The lode in the 18, get h b lode in Dunston's shaft is 18 in. wide, worth 41, per fm. The lode in the 21, east of Dunston's shaft, is 20 in. wide, worth 41, per fm. The lode in the 22, east of Dunston's shaft, is 18 in. wide, worth 41, per fm. The lode in the 12, east of Dunston's shaft, is 18 in. wide, worth 42. per fm.

REDMOOR —Thos. Taylor, March 6: The lode in the 20 winzs, on the laid.

shall, is 12 in. wide, worth 2l. per fm.

REDMOOR—Thos. Taylor. March 6: The lode in the 20 winze, on the six is at present small and poor, being disordered by a splies; but no doubt it wins our alteration; the ground is good for driving. We have set he 80 east, on the count-house shall lade in out alteration; the ground is good for driving. We have set he 80 east, of Bray lode, at 3l, per fm.; the lode in the present end is about 2 ft. wide, ensure pretty soft spar, mundic, prian, and neach, intermixed with good stones of open throughout the mine.

ROUND FILL.

throughout the mine.

ROUND HILL.—J. Kneebone: The lode in the 52 south is 12 in. wide, rise of lead in it. The 40 north is driven into the shale, and is suspended. This the 40 south will yield 15 owts. of ore per fathom. The stope below the 3, as Matthews's winze, will yield 30 owts. of ore per fathom. On Monday ist sum February parcel of ore, computed, 34 tons.

HITHNEY WHEAL BULLER.—T. Gill, March 3: I have set the 50 tokes of the sugine-shaft, on Schneider's lode, at 61. 10s. per fm., and the adit levise cast of the whim-shaft, on the lode, at 41. 10s. per fm. The lode in the 50 cast of the whim-shaft, and very poor for mineral, and also the lode in the 31 is very poor. The above levels are all that are in course of operation at peak SCRETHINGE CONSOLLS.—I Elekards. March 11: Hillshim's emissatisf

is very poor. The above levels are all that are in course of operation is SORTEIDGE CONSOLS.—J. Richards, March 11: Hitchina's engis regular course of sinking below the 74 in easy ground; the lode is 2 in led good stones of ore. In the 74 east the lode is unproductive. In the lode is 2 feet wide, composed of mundle, peach, quarts, and stones of ore in the 62 west the lode is 2 ft. wide, and produces a little ore. In the 63 has been taken down home to the south wall, and proves to be 7 ft. wide capel, mundle, quarts, and ore to the value of about 1 ton per fm. In the drivage is being continued west of the cross-course, the ground being will be south wall, and proves to the 7 ft. wide is worth 3 tons of ore per fm. In the atopes in the bottom of the 50 east, and east and west of the 50 east, worth 3 tons of ore per fm. In the 40 cross-cut north a branch or lying south has been intersected and out through; it is composed of at a little gossan and quarts, spotted with ore, and has the appearance of the 30 east and has the appearance of the 30 east and has the appearance of the 30 east and the stone of ore per fm. lying south has been intersected and out through; it is composed of capital a little gossan and quartz, spotted with ore, and has the appearance of the south of the lock of the south of the lock of the south wall; the south wall; the south wall; the south wall; the south of the

large vup, from which the water came quite black, which induces me being have a good iode under. The end east, No. 3, is about 1½ foot wids, indiced, and in the same end west the lode is about 2 feet wide—a beautiful ducing spots of black ore.

ducing spots of black ore.

SOUTH CRENVER.—J. Delbridge, E. Chegwin, March 3. At Gors size.

\*\*SOUTH CRENVER.—J. Delbridge, E. Chegwin, March 3. At Gors size.

74 fm. level, we are cutting a plat, to prepare for sinking below that ice, and the size of the si

accounts I expect a good lode will be found.

SOUTH WHEAL TOLGUS.—Michell's sumpmen have not finished its 110 yet, in consequence of the water being in for the last two or three days by the parting of the box-rod in the lift.—Youren's Lode: The lode is from Michell's shaft, is I ft. wide, consisting of mundte, jask, and copying about 14 ton per fm. of the latter. The lode in the 100, west of Michell's shaft in the winze ainking in the bottom of the 100, west of its 200, west of Michell's shaft, are presented. The two stopes in its 100, west of Michell's shaft, are presiding from 15, to 2 tons of ore per fm. 100, west of Michell's shaft, are presiding from 15, to 2 tons of ore per loger in the 90, west of Michell's shaft, are presiding from 15, to 2 tons of ore per loger in the 90, west of Michell's shaft, are presiding from 10 in, to I ft. wide, as in the state of the shaft of the state of the shaft, are president from 10 in, to I ft. wide, as in the state of the shaft of the shaft, are president of the shaft, as in the shaft, as the shaf

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open. We are elsering out: a prefer year that we can be a considerable and the present classed and we show a set of the level will average about 1 for or or or per fm. The operations generally are origing on very satisfactory, and exerting being put in good order. We are about to exect stamps to extract the lock of this level as who level that have not yet reached the eastern and western and exerting being put in good order. We are about to exect stamps to extract the lock of this level as who level the worth of the lock of this level as who level the content of the lock of this level as who level the lock of the level with the lock of this level as who level the lock of the level with the lock of this level as who level the lock of the level with the lock of this level as who level the lock of the level with the lock of the level as who level the lock of the level with the lock of the level as who level the lock of the leve

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HEAL HENDER

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METAL MARKET, London, March 12, 1858. Per lb. 11d.-12d. 11 kd.-11 kd. 14 kd.-QUICKSILVER ......p. 15.0 1 11-0 2 ( SPELTER. Per Ton. 27 0 0- -27 0 0- -In sheets. 34 0 0-35 0 TIN-PLAYES.\*

IC Charcos | 184 pt. | 18 English Pig Ditto sheet .. Yellow Metal Sheathing ... p. 1b. 11d -Wetterstedt's Pat. Met.... p.cwt. 2 2 6

REMARKS .- During the past week there has been more business doing, but the transactions have for the most part been of a forced character, our market being utterly devoid of animation, and much difficulty is expe rier.ced at the present moment in effecting contracts.

Coffes.—The decline that took place this day week has not been attended with any amount of success worthy of recording. A few orders were remaining on merchants' books for shipment, at a limit rather under fixed rates, which have in a measure now been executed; the extreme depression that prevails in the market causing holders to be desirous of realising, and rather than allow orders to go by them have even conceded in many instances to terms proposed by buyers. The result of the fall realising, and rather than allow orders to go by them have even conceded in many instances to terms proposed by buyers. The result of the fall has operated unfavourably to sellers, for although enquiries had considerably fallen off, yet the trade generally had more confidence in smelters than to imagine any docline would be announced for some time; the fact of their increasing rates 1d. per lb. only about three weeks previously was sufficient reason to many dealers that no fluctuation in fixed rates would ensue for at least two or three months; however, the changes that have been made by smelters have frequently been at times when least required, and it appears that the change has created such a want of confidence in smelters' prices, that unless purchases could be effected at 1d. per lb. under current rates no disposition is evinced to operate. It is rumoured that shipments of Mexican copper are likely to arrive shortly, and to secure these parcels on favourable terms (the contract being that they, the emelters, take these qualities at the price of the day) has been the motive in lowering prices current. Such a course is not at all improbable, for in lowering prices current. Such a course is not at all improbable, for many dirty tricks, at various times, have been reported concerning their

many dirty tricks, at various times, have been reported concerning their proceedings.

Ison.—The ironmasters are willing to concede slightly to buyers, but anything material they shut their books against, and prefer abiding the issue of the present dull season; however, contracts for rails might now be carried through, without contending with much difficulty on the part of sellers, at 6l. per ton, ordinary section, f.o.b. at the works. Merchant bars have been in slack demand, and lower prices accepted. The best specifications of Swedish bars have been bought up, and there now remains but a few hundred tons here, which is held for about 14l. per ton. Scotch pigs have been easier, and prices, consequently, have declined; m.n. have been sold at 57s. The closing price on 'Change to-day was 57s. 3d. to 57s. 6d., g.m.b., f.o.b. in Glasgow.

Lead.—The market continues flat, and prices have not undergone any important alteration, second-hand parcels of English pig might be bought at 22l. 10s. to 22l. 15s.

at 221, 10s, to 221, 15s,

SPELTER.—This metal remains quoted nominally at 271. per ton, but the demand has been so limited that the little business passing can scarcely

be said to establish its correct value.

Tin.—English the same as before—dull, without change in quotation.

Bancs and Straits are a shade lower than last week.

LIVERPOOL, MARCH 11.—Our market for manufactured Iron presents a very quiet appearance, and prices for the most part are in favour of purchasers. Welsh bars are to be obtained from stock freely at our quotations, and for favourable specifications and good quantities even rather less would not be refused. The home demand is pretty good, but orders for export are not abundant. Scotch pig iron has somewhat fluctuated during the week, as low as 56s. 6d. having been touched for immediate cash, since which, however, the market has rather improved. A fair amount of business has been done on speculative account, and some demand for actual shipment is reported. The shipments are still large, being 10,034 tons, against 8540 tons for the corresponding week of last year. The reduction of 1d. per lb. in the price of copper, which was announced on the 5th inst., has not produced any effect as to an increase of orders, and a further reduction is not by some considered improbable. Tin has been very dull, and still shows a drooping tendency a fall in price is considered inevitable. Tin-plates are freely offered at lower rates, the demand for this article has fallen off considerably. Lead is firm at present prices. The following are the quotations:—Iron: Merchant bar, 62.17s. 6d. to 7t. per ton.—Tin. Common block, 128t. per ton; common bar, 129t.; refined block, 13tl.—Tin-plates: Charcoal, IC, 33s. 6d. to 34s. per box; coke, IC, 27s. 6d. to 28s.—Lead: English sheet, 25t. per ton; English pig, 24t.—Copper: Cake and tile, 117t. per ton; best selected, 120f. per ton; sheathing and bolt, 1s. 1d. per lb.—Yellow metal sheathing, 11d. per lb.—Steel: Blistered, 30t. to 40t. per ton; spring, 13t. to 24t.; cast and shear, 50t. to 60t. per ton. LIVERPOOL, MARCH 11.—Our market for manufactured Iron presents a

Business this week has been fluctuating and uncertain. One day we are buoyed up and the next day depressed, by all sorts of rumours and assertions, in regard to political and foreign relations. Amongst it all the MINING SHARE MARKET has remained about the same as last week, dulmining Share Marker has remained about the same as last week, dulness being the chief characteristic, though, perhaps, rather more business, particularly during the last day or two, has been transacted. The heavy dividend mines are scarcely noticed, and, with the exception of Devon Great Consols, prices are lower in this class of mines, having been affected, moreover, by the fall in copper. The chief purchases for cash, as well as large speculations for time, continue to be in a few rising mines in the eastern district; and, perhaps, at no period, for years past, has the West been so much neglected (most of the dividend mines being even lower), or the East so much in the ascendant. East Russell shares have been fluctuating very much, from 6 to 7, up and down daily, as buyers been fluctuating very much, from  $6\frac{1}{3}$  to 7, up and down daily, as buyers or sellers appear, and they leave off at 7 to  $7\frac{1}{3}$ : we believe that all who have paid any attention to the mine are of opinion that the chances of a tin, 523. 19s. 84.; muodic and sandries, 711. 7s. 7d. =3353. 15s.—Labour cost, &c., have paid any attention to the mine are of opinion that the chances of a rise to double the present price in six or eight months are very great—at the same time, many think shares will continue to fluctuate about protect the same time, many think shares will continue to fluctuate about protect prices, until the 88 fm. level can be got up to the ore ground: at present states, and the 88 fm. level can be got up to the ore ground: at present states, and the same time, many think shares will continue to fluctuate about protection of the end is improving, whilst the winze is worth from 120l. to 140l. per fm.; doubtless, when the water shall impede sinking this winze, jobbers will take advantage of it to depress the shares; but as the intrinsic value of the mine will romain the same until the ground is reached in the 38, some field investors, from a knowledge of this, should not sell. East Trefusia, 4 to 4½. South Basset, 9 to 9½, rather flatter, and not so much doing. Wheal Mary Ann shares have been more freely offered at 46, with dividend of 2l. 5s. per share (2304l.) declared on the 9th, leaving a balance in hand of 1804l. Oz. 3d., the previous balance having been 2361l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 253l. was charged for extra 2561l. 13s. 6d., but in the present accounts 258l. was charged for extra 2561l. 13s. 6d. but in the present accounts 258l. was charged for extra 2561l. 13s. 6d. but in the present accounts 258l. was charged for extra 2561l. 13s. 6d. but in the present accounts 258l. was

at the agent's report of March 3, which stated, although the lode contained less ore, it was "nevertheless kindly"—a great change in one week; as, on the 24th, he wrote, the lode fully warranded the report of the week before, when it yielded 8 tons of ore per fm. On the 8th inst., we understand an agent of Devon Coasols inspected the mine, and valued it at 4½ kons; the agent's report of the 10th values it at 2½. North Tavy, 2½ to 3; South Tolgus, 160 to 165. Clijah and Wontworth, 5½ to 6; extended operations are in progress here, and which, it is hoped, may lead to good results, very little having hitherto been done on the north lodes. Wheal Uny shares 4½ to 6, and rather in request. Wheal Wrey, 4 to 4½ Grambler and 8t. Aubyn have been flat, offering at 110, but the mine is looking better; the lode in the 36 worth 30½ per fm., shaft 40½; ends, winxes, and shafts, together worth 200½ per fm. Mill Pool are in request at 4½ to 5; the mine is looking well, and it is expected will soon be in a dividend state. Wheal Unity, 3 to 3½, and a fair business doing. East Basset, 95; there does not seem to be much business doing. East Basset, 95; there does not seem to be much business doing in the shares, but the ends, winxe, and stopes in the mine are turning out 20 tons of ore per fathom. North Basset, 14 to 15; West Basset, 24½ to 26½; South Frances, 210 to 220; these two mines are both looking well, and with good dicoveries in West Basset, are both affected by the law; suit the dispute, to our thinking, lying in a nutshell. Great South Tolgus, also, flat, at 15½ to 16; Wheal Trelawny, 23 to 25; the mine is generally improving, and next week will sample for the month 80 tons of crop ore, and 65 tons of seconds. Cwm Brith, 9 to 10; Dale shares, 20s. to 26s.; Wheal Relawny, 25 to 6; Tamar Consola, 1 to 1½; Lady Bertha, which left off flatter last week, have taken another start, and leave off at 31s. to 33s.; Redmoors, 6s. 6d. to 7s. 6d., and more business doing in them; Wheal Unity, 3 to 3½; Herodsfoot, 7½ to 7½; Wheal Heri West Grenville, 27s. to 30s.

Mining Exchange Official List of transactions during the week

Mining Exchange Official List of transactions during the week:—
Saturdary, Maron 6.—East Russell, 7%, 7%, 7%, 7%, 7%; Great Affred, 5%; Great
South Tolgus, 15 to 16 %; Hingaton Down, 6%; Lady Bertha, 26s. 6d. 27s. 6d., 25s. 6d.,
25s. 6d.; Redmoor, 6s.; Rosewarns and Herland, 5; South Basset, 9%; Wheal Edward, 74. 3s. 9d. to 74. 5s. 9d.; Wheal Trelawny, 23 % to 22%;
Mondar,—East Russell, 6%, 7%; 6%; 6%; 7%, 7%; West Grenville, 4s. 9d. to
5s. 6d.; Rosewarne, 26% to 27 %; Sortridge Consols, 31s. 6d. to 32s. 6d.; Great
Alfred, 54; 5%; 5% at Alfred, 2 to 2%.
Tussday.—Calstock Consols, 4% to 5; East Russell, 6%, 6%, 7, 6%, 6%; Great
Alfred, 54; 5%; 5%; 6%; 6%; 5%; Hingaton Down, 6 to 6%; Lady Bertha, 26s., 27s., 25s., 25s.

On the Stock Exchange, the following business has been transacted :-

On the GOOK Exchange, the following business has been transacted:

SATURDAY, MARCH 6.—Alfred Consols, 11%; Cobre Copper, 42; Mariquita, % antiago de Cubs, 2½.—Transactions though not officially marked: Devon Gressonols, 490; Wheal Edward, 7½ to 7½; East Wheal Rassell, 7½ to 7½; Hingstor lown, 6½ to 6½; Wheal Unity, 3; South Tolgus, 150; West Yowey, 10.

MONDAY.—Sortridge Consols, 1½; Timenti, 4, ext div.; Wheal Edward, 6¾.

TUSSDAY.—Great Wheal Vor, 1½ to 2; North Wheal Basset, 15½, ex div.; Patrontic, 21.

WEDNESDAY.—Vale of Towy, 1%; General Mining Association of Nova Scotia, 17%

Port Phillip, 4: TRUGRADAY.—Great Wheal Vor, 1%, 2, 1%; Lady Bertha, 1%; Vale of Towy, 1%; West Baset, 25% to 24%; Wheal Edward, 7%; Cobre Copper, 41 to 40%; Genera Mining Association of Nova Scotia, 18; Linares, 9; Mariquita, % to %; Port Phillip,

If Basser, \$275 or Nova Scotia, 18; Lanares, v., and the Mexican, 4.

United Mexican, 4.

RIDAY.—Great Wheal Vor. 1½; Lady Bertha, 1½; North Frances, 9%; Sortridge and A.—Great Wheal Vor. 1½; Lady Bertha, 1½; to 18; General Mining Assation of Nova Scotia, 17 % to 18; Maxiquita, %; Port Phillip, %.

Thursday, heing the second

At the sale of copper cres at Redruth, on Thursday, being the second sale in the month, the standard declined about 21. 10s., as compared with the sale in the previous week. A greater fall was expected, from the fact of fine copper having lately dropped 91. per ton. The standard declining so slowly tends to confirm the general impression that the decline in the or allowing tends to commit the general impression that the decline in the price of fine copper is merely temporary. At the sale of copper ores in Cornwall, on Feb. 25, the price of cake copper was 126t, per ton; in the following week it dropped to 117t; but the standard has not even yet fallen in the same proportion, as the following figures will show:—

, and the price per ton of ore 3s.; whilst the price of unmanufactured r has gone down 9t. There are circumstances which lead to the beat prices will soon again advance, although for the present there copper has gone down 94, lief that prices will soon a may be a little fluctuation,

At Liverpool, on Monday, Mr. Lewis sampled 205 tons of copper ore, and 22 tons of regulus, in six lots; and on Wednesday, 533 tons of regulus, in three lots, and 32 bags of copper ore, were sampled, for sale on the 19th inst.

At Wheal Mary Ann general meeting, on Tuesday (Mr. P. Clymo, jun., in the chair), the accounts for the three months ending Dec. showed—Lead ore sold, Oct., 22754. 7s. 9d.; Nov., 20984. 3s.; Dec., 23114. 7s. 3d.; paid Trelawny adventurers for materials, 6d. 14s. 2d.; Redmoor adventurers, 2d. 9s. =799844. 1s. 2d.—Mine cost, merchants' bills, &c., 44914. 3s. 10d.; lord's dues, 6284. 2s. 1d.; carriage of ores, &c., 1384. 12s. 5d.; cargeon, 334. 6s. 3d.; labourers' sick club, 244. 2s. 9d.; leaving balance in favour of mine, 23614. 13s. 5d. A dividend of 23044. (2d. 3s. per share) was declared, and a balance of 13044. 0s. 3d. carried to the credit of next account. The agents reported favourably of the mine.

ported favourably of the mine.

At Par Consols meeting, on March 2, the accounts for four months ending December showed—Balance last andit, 71764. 11s. 1d.: copper ore, black tin, &c., cold, 14,0754. 15s. 3d. =21,2524. 6s. 10d.—Labour cost, Sept., 28384. 18s. 7d.; October, 23666. 10s. 11d.; November, 23664. 19s. 3d.; Dec., 23494. 14s.; merchants' bills, four months, 4907f. 8s.: leaving balance in favour of mine. 61164. 15s. 7d. A dividend of 3200f. (10s. per share) was declared, and 2916f. 15s. 7d. carried to the credit of the next account. The loss on the four months' working was 1939f. 15s. 6d. The dividend was paid out of the reserve fund, and the loss deducted therefrom, in consequence of there being physical of 8000f. worth of the ore ready for market, with all expenses thereon paid, with the exception of dues. The registration fee of 2s. 6d. for each transfer, heretofore charged to the purchaser, will in future be borne by the purser.

At West Foway Consols meeting, on March 3, the accounts, from the

transfer, heretofore charged to the purchaser, will in future be borne by the purser.

At West Fowey Consols meeting, on March 3, the accounts, from the end of April to the end of Dec., 1857, showed—Copper ore sold, 47904, 16s. 9d.; black tin, 5234, 19s. 9d.; raundic and sundries, 714, 7s. 7d. = 33854, 18s.—Labour cost, &c., eight months, 33984, 17s. 4d.; merchants bills, 11944, 12s. 8d.; leaving blance in favour of mine, 9724, 5s. A dividend of 8004, (2s. 6d. per share) was declared. Major Davis having gratultonisp performed the duties of purser for 23 years, it was resolved that his salary be four guineas per month, to date from the present audit of accounts. Capt. J. Pockey reported that, from all appearances, on Puckey's lode there was a valuable piece of mineral ground, sufficient to warrant the crection of extensive stamping power; but from their proximity to Par Consols it was deferred for the present. The lode in the 100, on Stephena's lode, in Par Consols, was worth 601, por fm., and which was running directly into this mine.

At Bedford United Mines quarterly meeting, on March 4 (Mr. W. A.

anderground agent, and dialier, at a salary of 71.7a. per month. Capt. Pullip per ted favourably of the mine.

At the Vale of Towy Mining Company meeting, yesterday (Mr. The leid in the chair), the accounts showed a balance in favour of company, 1851; like a dividend of 1860; (is, per share) was declared. The profession, which are de-lied in another column, terminated with a rote of thanks to the Chairman.

196. 19c. 11d.; commission, resits, law, &c., 1821. 12s. 8d.—1906. 9s. 11d.—27 med. 8911. 6s. 4d.—leaving loss, 10151. 3s. 7d.; debit last audit, 11994. 8s. 1d.; reducedly call to 4784. 8s. 1d.; call of six of the call to 4784. 8s. 1d.; call of six of the call residue, 1d.; leaving balance against adventurers, 601. 8s. 3d.—881. 8s. 3d.—Call received, 1d.; leaving balance against adventurers, 601. 8s. 3d.—881. 8s. 3d.—Call received, 1d.; leaving balance against adventurers, 601. 8s. 3d.—Sed. Acall of 1s. per share wande. It was recolved that the mine be divided into 4005 shares. Capt. Wm. Trepreported that the north or Respryn lode was very strong and regular in its sears, and composed for the most part of quarts and copper ore of good quality. He was opinion that success must follow development.

At Pembroke and East Crinnis Mining Company meeting (Mr. J. Mexetson in the chair), the accounts showed a balance in favour of the adventurer of 11 1s. 6d.; and in the estimated accounts of assets and liabilities a balance against the mine of 7404. 8s. 2d. A call of 1s. per share was made. The committee of anagement and auditors were re-elected, and the proceedings, which are respond is another column, terminated with a vote of thanks to the Chairman.

At Great Hewas Mine meeting, on Tuesday (Mr. R. C. Hanam in the chair), the accounts showed a balance at bank of 2554, 17s. 3d., and in the estimated account of assets and inabilities the balance in favour of the mine, 930, 12s. 2d. acil of assets and inabilities the balance in favour of the mine, 930, 12s. 2d. acil of assets and inabilities the balance in favour of the mine, 930, 12s. 2d. acil of assets and inabilities the balance in favour of the mine, 930, 12s. 2d. acil of assets and inabilities the balance of payments over receipts for the

their next audit will leave a profit.

Wheal Mary Ann (Lelant) has sold this week 51 tons 5 cwts. 0 qrs. 22 lbs. of tin ore, realising 34661. 14s. 6d.

The College Mines have forwarded 5 tons 15 cwts. 3 qrs. of lead this week to the Mining Company of Ireland, Dublin.

A company is being formed for the purpose of working the Carreg-horn Mine, near Oswestry, in Shropshire. It is to be hoped that the committee of management will act more pradently than their predecessors; and that the money obtained from the sale of the ores will be legitimately employed in working the miss. It was the company of the desired of the miss.

The Mines of the college of the miss.

The Mariquita and New Granada Company have advices for Dec. 78 lived on Monday—Mariato: Cost, \$10,603; returns, \$10,749.—Publia: Ost 120; returns, \$1228.—Sarta Aria: Returns, \$18,349. No profit and loss second

S319: returns, 5123.—Santa Ana: Returns, 518,319. No profit and tos score received.

The Alten Mining Association have advices to Feb. 10:—

Raifas.—Owing to a change in the strata, the lode in the stope in the 20 is more compressed than before; it, however, still turns out good saving work, and we full expect it will soon recover its former size and productiveness again. The prespect continue much the same in the stope in the 10, where the lode yields from 3 to time of ore per fin. In the newest workings the stopes are turning out about the supply of ore, and on the whole looks equally encouraging as when last reported. There is no change in any of the levels calling for remark. Favorable progress being made in driving, &c.

Old Minez.—In Bergmester's, the lode is about 10 feet wide, composed chiefy of quartis; it yields rather more ore than when last reported. In the stope sends No. 1 winze, the lode varies from 5 to 7 ft. in width, and yields about 3½ tons of ore fine as the distance is not great (7 or 8 ftm.) between this place and the working in Bergmester's, we doesn it highly important to form a communication as early in Bergmester's, we doesn it highly important to form a communication as early in Bergmester's, we doesn it highly important to form a communication as early in Bergmester's, with will soon be necessary for ventilation; it will also greatly facilize our operations, and very probably lead to the discovery of some valuable runs of erround. We are still driving westerly from the bottom of this working, where the lode on the continues to go almost horizontally; it is from 7 to 8 feet wide, and picks some discovery of some valuable runs of errounds. It is not that the shallow level the lode is 3 to 6 ft. wide, very regular in its come, deep the lode of the same character suit in No. 2 winner is about 4 ft. wide, and continues much of the same character is in the North of the shallow level the lode is 3 to 6 ft. wide, very regular in its come, down which will be deedered.

United Minks.—Our operations here are confined to tribute in and about the 'on Woodlall's lode. The returns are still below what could be desired.
Micrato. S.—We have driven southerly on the lode in the new adit about 9 iss.; it is produced over the greatest part of the distance, but the quantity has been insendiently pay. The level is now about under the surface workings, and as the distance between is only a fathom or two, we purpose breaking this before removing the men. The ground in the level under the lobby is easier.

Mines.	Ore.	mated pro	r cent.	Copl
Raipas	. 50		5	91
Old Mine	. 64	**********	1/2	0.1
Jnited Mines	. 3	**********	6	0:1
dichell's	. 5	********	6	0.4
Chomas's	. 6		11	. 0.4

The Quenangen Mining Association have advices to Feb. 6.—Estimated produce for Jan.:—Lode E: Prills, 6 tons, at 20 per cent. = 1-20 tons copper; and dradge, 27 tons, at 9 per cent. = 2-32 tons copper; and dradge, 27 tons, at 9 per cent. = 2-32 tons copper;—Morth Lode E: In the 20, driving vest by four men, the ground has so far improved that we are now able to cat about 2 fms. somethy, at about 534 per fm;; the lode has been somewhat more regular size the last report, with small stones of ore. In the 10, driving west by four men, 538 per fm; the vent is not quite so large, though equally as rich as in the beginning of the month, the produce being still about one-third ton of copper per fathom. The winner in the 10 has now-reached its depth, being now as deep as the 30, which is had driven towards it. The lode continues quite as large and productive, as during the sinking, and promises to give remunerative returns for a long time, as well in fractional to the sinking of the seast and west from the winze. The stope west from the winze, roof of the

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16, has been very good last month, and shows no symptoms of a failing off. The present month will be occupied with driving under a piece of barron ground to be left under the sole of the addit level. In the level towards D, on south E lode, there is at most the sole of the addit level. In the level towards D, on south E lode, there is at Junio to communicate with an old wince sunk on lode E, near its point of contact present no cre; but, as it is easy ground for working, we anticipated by the close of April to communicate with an old wince sunk on lode E, near its point of contact present life. The contact has been to form a communicate with the development of the contact has been a contact present not very good. Having now entitled the contact has been able to employ a greater number of cobbers with advantage, and will see an more regularly with the ore dressing. The core servinge proceeds very soil, they are the contact of the contact has been able to employ a greater number of cobbers with advantage, and will see an more regularly with the ore dressing. The core servings proceeds very soil, they are the contact of the contact

sion going on at a satisfactory rate, and I hope that in no long time we shall resols bottom of the old workings. Lea new drawing machine goes exceedingly well, and in such sold the bottom of the old workings. Lea new drawing machine goes exceedingly well, and in the local properties of the control of the

gressing very favourably.

The English and Australian Copper Company have advices from Adelaide to Jan. 11. The works are going on steadily, and the make of copper to date reached over 900 tons. The stock of coal both at the works at Gawler and on the way was very large, exceeding 3000 tons. The stock of wood at the works was over 1100 tons, and by the beginning of the rainy searonit will have accumulated to about 5000 tons. The Railway Extension Bill had passed both houses, and in the course of twelve months it was anticipated that a further twelve mites of the railway would be copined. The cartage between Gawler and the works was trifling, but after the harvest the same would be very considerable. The quantity of coal forwarded by rail in Dec. was 1230 tons, and to 9th Jan. 500 tons additional had been forwarded. The shipment of ore was proceeding vigorously, both coastwise and from Melbourne and Sydney.

The Part Phillip and Colonial Gold Mining Company have also for the first contract of the state of

The shipment of ore was proceeding vigorously, both coastwise and from Melbourne and Sydney.

The Port Phillip and Colonial Gold Mining Company have advices from Melbourne to Jan. 14. The quarts crushing operations at Clunes continue to progress astisfactorily. The quarts crushing operations at Clunes continue to progress astisfactorily. The quarts crushed during the six months ending Deo. 31 was 145 tons, yielding 730 cas. 18 dure, of gold, it she last fortnight there was crushed 435 tons, yielding 720 cas. 18 dure, of gold, it she just however, flactuates. Under the new grangement, with the miners as to poor quarts, a parcel of 135 tons just crushed Government, and has reported the views on the same, both as regards the wastern gold fields, and has reported his views on the same, both as regards to mine and ampliagnanting machinery. In reference to the former he states:—"That and Colonial Gompany proving a permanent and rich gold field, containing almost inexthaustible quarts wells in the western, and probably rich drift doposits in the castern and probably rich drift

The produce of silver at the Kongaberg Mines, in Norway, was during the month of December 1916 marks 7 lods; in January, 775 marks 1 lod; and in Feb., 233 marks 2 lods. The largest quantity was produced from the Armen Grube, and but a very small proportion from the Gottes Hulfe, in the North Grube. The cause of the apparent failing off in January is to be attributed to the number of holidays, and the partial suspension of the works during that month.

The Contare Small in Comment of the works during that month.

and the partial suspension of the works during that month.

The Copiapo Smeiting Company have received further advices from Mr. Thomas, under date of Jan. 20, on which day he arrived at Callao, and he anticipated reaching Caldera on Feb. 5. Three reverberatory furnaces have been erected by Mr. Powditch, so that on Mr. Thomas's arrival the smelting operations can at once be commenced. Mr. Wheelwright, one of the directors, is at present in the United States, and it is that gentleman's intention, previous to returning to England, to visit the works and the mines at Copiapo, and his arrival cannot be looked for here previous to a late period in the present year. Mr. Thomas reports that great disorder reigns in the northern states of South America.

From the Cannot Good Hone, we leave that the Namegua Mining Com-

From the Cape of Good Hope, we learn that the Namaqua Mining Company's Mines, at Concordia, have proved more productive than had been expected. During the year 1857 the total quantity dispatched from these mines to England amounted to 970 tons. Dec. 29, the Admiral Collinguood left Fort Nolloth with 4448 bars, equal to 405 tons, of Concordia ore on board, and which had been taken in both at Fort Nolloth and Hondekip. The Admiral Collinguood has been the first hip chattered by the company from Namaqualand to England direct.

The 84 Craix which arrived at Conveyand on the 10th inst. has become

The St. Crois, which arrived at Gravesend on the 10th inst., has br 200 bags of rich silver ore from the mines of Alotopeque, belonging to the American Mining Company.

THE MINING JOURNAL.

The Western African Malachite Copper Mining Company have announced that from and after Monday next the scrifficate of shares will be handed in exchange for the bankers' reseipt for the depocit, apon signing the articles of association. In concessionaries' reseipt for the manerous applications for shares the concessionaries have placed 100 of their shares at the di-post of the director, to that 400 have been allotted to the public instead of 500, as adverted in the prospectus.

The Imperial Russian Government has lately issued an ukase, permiting the free importation of plates, metals, and machinery, to be employed in the construction of abjus on account of Russian subjects. Those merchants who are residing abroad, wishing to import metals and machinery, must give an account not only of the quantity but likewise the dimensions of the ships or estamars for which they are ordered, should these be found in excess the builders will have to pay the difference according to the rate fixed by the ordinary tariff. The quantity of the precious metals exported in 1856 was of the value of 3,702.342 silver roubles; that imported amounted to 3,130,23 silver roubles; the silver roubles of a silver roubles and the silver roubles and silver roubles and silver roubles. The silver roubles are silver roubles an

### THE COAL TRADE.

The following is a statement of the delivery of coals, &c., in the port of London during the month of February:—

Ships, Tons.	Ships.	Tons.
Newcastle 250 84,777   Scotch	3	667
Seaham 83 20,702   Weish	11	8,571
Sunderland 174 62,789   Yorkshire, &c	39	3,363
Middlesbro'		-
Hartlepool & West Hart. 153 47,201 Small and cinders	5	1,390
Blyth 10 2,619   Total	746 9	31,152
Total imported in Feb., 1857		65,226
Comparative Statement of 1857 and 1858.		
Imported from January 1 to Peb. 28, 1857 Ships 1,738	532,09	6 tons.
Imported from January 1 to Feb. 28, 1858 ,, 1,565	485,26	5 ,,
Decrease in the present year 173	46,82	31

#### THE RAILWAY COAL TRADE.

Monthly statement of coal and coke brought by railway and canal within

the London district, during the month	Railways.	Tons o	
	outh-Western	63	0
	outh Eastern	-	
	ondon, Brighton, & S. Coast.	**	
Great Western 3,940 0   L	ondon, Tilbury, and Southend	50	0
Total by railway in Feb., 1858		94,189	14
Coals by railway in Feb., 1857		12,276	15
Coals by canal in Feb., 1857		2,268	0
Comparative Statemen	t of 1857 and 1858.		
Coals by railway from January 1 to Feb. 28,	1857 2	40,254	4
Coals by railway from January 1 to Feb. 28,	1858 2	13,375	19
Decrease in the year 1858-railways		26,878	5
Coals by canals from January 1 to Feb. 23, 1		4,847	10
Coals by canals from January 1 to Feb. 28, 1		4,459	15
			_

mencing these proceedings: The fine of ?0s. and costs was then paid.

The following reports were received too late for insertion in their proper place:

WHEAL ELLEN.—W. Boundy, T. Ho-king, March 10: Pike's Engine-shaft: In the 12 cross-cut, driving north of this shaft, we have intersected the old lode, and shall quickly drive east and west on its course, which, from its appearance in the 30, is likely to open on some good tribute ground. The place at which it is cut is rather small, but contains stones of good ore. Other parts of the mine are much the same as when last reported. We yesterday, March 9, sampled 135 tons of copper ore.

HUCKWORTHY BRIDGE.—J. Key: Nothing particular to notice since my resport of last week. We are still driving the adit end, but shall, as soon as the weather changes and the snow has gone off the ground, commence the sinking of our new engine-shaft.

RESPRYN.—Wm. Tregay, March 11: The lode in the bottom level is about 18 in-wide, turning out copper ore of very good quality. There are four pitches working, above 16 fm. isvel at 8s., 9s., 12s., and 13s. 4d. in 14 respectively; two men in each pare.

MINING IN ASHBURTON.—Captain Hosking, of the United Mines, has had to send a sample of tin to Messre. Eawden and Co., Truro, to scertain its value, to enable him to know what to pay the tributers that are working above the adit. The assay makes the value at the present standard 701, per ton, and as there is sufficient water nearly at hand for stamping, it will be a great advantage in having so much as 100 fms. to work in during the time the engine is erecting for pumping, hauling, &c. There are a large number of tenders given in for building the engine-house, and Mr. N. Ennor is now engaged in purchasing an engine of sufficient power to sink the mine a great depth. The mine might have been divided into three setts, named Oviencembe, Wheal Union, and Wheal Brothers; but it will be far better to be worked united, as all the setts join. It is not unusual for the tin to fetch a high price, as the hairvaners made for years past from 701. to 801, per ton. There is now a large pile of tinstuff at the surface, but it cannot be made marketable until more powerful stamps are erected, which are being or lered.—Plymouth Journal.

#### BLACK TIN. Sold on the 19th and 24th February.

Minas		To	D.S		q.	lb.	P	rice	per	tor	۵.				Purchasers,
Great H	6W18	United	5	18	0	3		£71	15	0		£	423	8	5-Carvedras.
disto			1	15	1	25		61	10	0	******		116	4	8- ditto
ditto	*****	*******	1	0	. 3	14		71	15	.0			75	- 3	0- ditto
ditto	******	*******	6	17.	3	24	*****	71	15	0			494	18	10-Trethellan.
ditto	******		1	13	1	5		64	10	- 0	******				3- ditto
ditto	*****	********	0	12	2	23	*****	74	15	0			45	11	0-Charlestown.

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# GOPPER ORES. Sold at Liverroot on the 5th March. Tons. Price per ton. Tons. Price per ton. C. Lambert. To £12 15 6 .... C. Lambert. To 13 3 6 .... Newton, Keates, & Co. Biddings were also made by Mesers. Williams, Foster, and Co.; Vivian and Sons; Pocket Nook Company; J. Bibby, Sons, and Co.; J. Keys and Son.

#### COPPER ORES. Sampled February 24, and sold at Tabb's Hotel, Redruth, March 11.

Mines.	Tons.	P	rice		Mines.		ons			rice	
West Basset		£11	14	0			. 80	*****	£8		
ditto		6	12	6	ditto	***************************************	65			10	
ditto	87	4	19	6	ditto	***************************************	19	*****		2	
ditto		5	6	6	ditto	*************	10		32	13	
ditto		4	17	6	Wheal Mar	gery	55		5	2	
ditto		4	11	6	ditto	***************************************	45	******	10	16	
ditto		7	8	0	litto	************	40		3	9	
ditto		3		6	West Alfre	1 Consols	78		3	8	
ditto	93	3	0	0	ditto	***************************************	35		4	10	
		****	12	Ö	ditto	************	15		11	16	
Wheal Bulle		5	6	6	Rosewarne	United	52		6	3	
ditto		*****		6	ditto	***************************************	35		6	14	
ditto		****	19	6	ditto	***************************************	22		7	9	
ditto		4		6	ditto	***************************************		******	4	13	
ditto		21	16	6		ver			2	14	
ditto			10	0	ditto	***************************************	16	******	ī	5	
ditto		1			ditto	***************************************	15	******	7	19	
		7	13	6		y Consols	43	******	5	14	
ditto		2		6	ditto				4	11	
ditto	26	12		0		Consols		*****	10		
ditto		3		0				*****	8	15	
Nanspusk		8	6	0		WB		******	6	ii	
ditto		7		6		A		*****	3	17	
ditto		3		0	ditto		40	*****	9	16	
ditto		1	11	0		Wentworth.		*****	- 3	15	
Par Consols	86	11	7	6	ditto		13	******	0	11	
ditto		7	9	6		Consols		111111	3		
ditto	70	9	12	0	ditto	**************		******	3	0	
ditto		4	16	6	ditto	*************	- 4	*****	10	3	
ditto		3	4	0		rnwall			а	8	
North Basse	t 57	3	19	0		r		*****	8	19	
ditto		8	14	0	Boiling We	11	37	*****	2	18	
ditto		4	15	0	ditto	***************************************				9	
ditto		6	4	6	Halamanni	ng		*****		0	
ditto		5	3	6	ditto	************	. 14		6	6	
ditto		4	13	0	St. Aubyn	and Grylls	23		9	15	
ditto		1		6	ditto	**************		*****	4	4	
ditto		17		6		Providence		******	5	11	
	5			0		ly		******		5	
ditto				ö	ditto	***********		******		12	
great when			10	0		onsols		*****	3	8	
ditto		1	3	0	ditto			******	16	12	
ditto		15		0		al Unity			5	0	
ditto			0	0		0		******		8	
ditto			0	0		ury		******		5	
ditto			5				-	******		13	
Great South			0	0		per		******	3		
ditto		4		6	LioAldence	Mines		100100	0	40	
ditto	55	10	15	6	1						

# | West Basset | 602 | £3920 | 13 6 | Wheal Anna | 66 | £ 371 | 5 | 6 | Wheal Buller | 444 | 2628 | 6 | Clijah and Went. | 61 | 333 | 11 | 0 | Alfred Consols | 339 | 2299 | 13 | 0 | Bosewarne Consols | 75 | 193 | 2 | 0 | Duke of Cornwall. | 50 | 171 | 5 | 0 | Par Consols | 2366 | 2626 | 1 | 6 | Wheal Agar | 47 | 421 | 16 | 6 | North Basset. | 318 | 1777 | 2 | Bolling Well. | 47 | 222 | 19 | 6 | Great Wheal Alfred 229 | 1283 | 3 | Halamanning | 31 | 232 | 19 | 6 | Great South Tolgus 186 | 1282 | 5 | St. Aubyn & Grylls | 31 | 238 | 1 | 0 | Tolvadden. | 174 | 1603 | 12 | 6 | Wheal Margery | 140 | 906 | 17 | 6 | Wheal Emily | 27 | 138 | 4 | 0 | Wheal Margery | 140 | 906 | 17 | 6 | Wheal Emily | 27 | 138 | 4 | 0 | Wheat Alfred Cons. | 128 | 600 | 1 | 6 | West Par Consols. | 19 | 183 | 13 | 0 | Rosewarne United. | 115 | 748 | 19 | 6 | North Wheal Unity | 16 | 80 | 0 | 0 | South Creave | 93 | 307 | 8 | 6 | Lewis Mine | 12 | 77 | 2 | 0 | Wheal Unity Cons. | 78 | 405 | 5 | 6 | West Frosper | 6 | 33 | 18 | Carrack-Dews. | 68 | 596 | 14 | 0 | Providence Mines. | 4 | 15 | 12 | 0 | Average Standard | & Average Price per ton. | 269 | 369 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240

| Standard of corresponding sale last month, 1461, 10s. Produce 6%. | COMPANIES BY WHOM THE ORES WERE PURCHASED. | Tons. | Amount. | Tons. | T

Copper ores for sale on Thursday next, at the Royal Hotel, Turo.—Mines and Parcels,—Devon Great Consols 2/31—Phonix Mines 445—West Caradon 300—Collacombe 238—Hingston Down 205—Bedford United 201—Wheal Edward 150—Devon and Cornwall 148—Wheal Friendship 125—Kelly Bray 122—Calatock Consols 133—Wheal Emma 102—Gawton Copper 82—Wheal Franco 76—East Wheal Russell 67—Wheal Russell 61—South Bedford 80—Devon Builer 45—Tary Consols 41—Lady Bertha 40—Devon and Courtensy 30—Feock Works Regulus 23—Wheal Zion 22—Virtuous Lady 16.—Total, 4735 tons. ..... 3825

16.—Total, 4735 tons.

Copper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Parcels.—Great Wheal Busy 701—United Mines 586—South Caradon 401—Fowey Consols 400—St. Day United 271—Craddock Moor 207—Wheal Ellen 158—Fouth Crimis 819—George 51—South Wheal Mary Great Consols 39—Great Crimis 85—Forran St. George 51—South Wheal Mary Great Consols 39—Wheal Crimis 85—Forran St. Basset Consols 53—North Wheal Busy 30—Wheal Polmear 27—Wheal Kitty 25—Wheal Leisure 44—Wheal Mary 8.—Total, 8528 tons.

Copper ores for sale at Swanses, March 23,—Cobre 500—Hamburg Begulus 171.—Springbot 124—Berobaven 114—Great Barrier 112—Wheal Maria 90.—Cestilian 65—Seville 19—Peqianular 11—Bristol Regulus 7.—Total, 1213 tons.

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WATSON AND CUELL'S MINING CIRCULAR, published every Thursday morning, price 6d., or £1 is. per annum, contains special Reports of Mines, and the Latest Intelligence from the Mining Districts, from an exclusive resident apent; also, Special Recommendations and Advice upon all subjects connected with Mining, and interesting to investors and speculators. A Record of Daily Transactions in the Share Market, Metal Sales, and General Share Lists, &c. Edited by J. Y. WATSON, F.G.S., and published by WATSON and CUELL, N.B. Looking at the causes for the present depression in mining shares, Messrs. WATSON and CUELL have made a selection of a few dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and particulars of which will be furnished on application.

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Executed with great sbillity, and in a manner calculated to render the subject, usually so dry, popular.—Herapath's Journal.

The object of this free and say little book is to let shareholders know the nature and extent of their liabilities in every kind of company. Nothing could be more useful and well-timed.—Leader.

A very carefully written freatiss.—Sunday Times.

The object of this tree and every kind or companies and extent of their liabilities in every kind or companies.

A very carefully written treatise.—Sunday Times.

So much is there of really useful and valuable information in this little work, that we can astely recommend it to every one who wishes to know his position as a shareholder.—News of the World.

London: Andrew Robertson, 30, Chancery-lane.

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# Batices to Correspondents.

- \*.\* Much inconvenience having arisen, in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.
- Tickering Parens From Conswall.—We have frequently to complain of inaccuracies, and suggested that the one for the week after should always contain notice of
  the errain. In that of the 4th inst., Sims, Williams, and Co. are represented as
  having purchased 405½ tons instead of 402½. West Wheal Seton as having soil
  ore amounting to 2091/., when it was only 1891/.: this we corrected in our Journal
  The sampling for sale on the 11th inst.—325 tons—abows only 3794, the omission
  being St. Aubyn and Grylls for 31 tons. These errors give a great deal of unnecessary trouble, and frequently too late on Saturday mornings to detect and remedy.
  Academy Lay Consum.—"M. D. (Reference. The consumer contains and consumer contains the contains and contains the contains and contains the contains and contains a contains

ACADIAN INON COMPANY. "" M.D." (Belgium).—The next annual meeting will be held early in April; it will be duly advertised in the Journal, and a full report of the proceedings given. In consequence of the great extension of the works, it is not expected that a dividend will be declared. Mr. Roebuck, M.P., is the Chairman. LAUF BERHAL—"C. B. "(Exster).—The committee and shareholders have always had the greatest confidence in Capt. Metherell's abilities, and the only difference between them has been in the time that Captian Metherell devoted to the duties. Hence the advertisement for an agent. It is now, however, arranged that he shall not undertake the management of any other mine, which seems to have given every astisfaction. The next sampling will be about 100 tons.

ADBERRALIAN FREEDOLD GOLD MINE COMPANY.—"AD Unfortunate Holder."—The affairs are still in Chancery, and likely to continue there, as a host of solicitors are engaged for different parties.

engaged for different parties.

OLLA MINK.—In these days, when financial elearness and exactitude are indispensables in mine management.—when public confidence and support are only to be won by unequivocal rectitude, it is not too much to require some explanation of the anomaly evident in the accounts of the Oola Mine, as passed by the last meeting. There is very great and unjustifiable obscurity in the item of 1933. 16s. 4d. balance of liabilities over assets. Are we really to understand, after an expenditure of nearly 60002, that the company's assets were not sufficient to meet its liabilities by the above sum? As the organ of certain shareholders interested, not only in this mine, but in several others in the United Kingdom, I seek, through the medium of your valuable Journal, an explanation on the important point referred to; and permit me also to suggest to public companies a more business-like investigation of mining accounts than has generally been adopted hitherto.—Expresses.

CERET UNITED MINES.—"E. H." (Islington).—The company is wound-up, and a division of 3-3-1, per baser now in course of payment. Many of these shares were recently bought up at merely nominal prices.

Ma. HCNT, AND TRANS BOLLEE EXPLOSIONS.—The following is copied from a newspaper published Nov. 12, 1332:—"The STRAN-EXCINE.—As a lover of improvement, permit me, through your columns, to ask those connected with the steam-engine if anything like the following is now in use, with their opinion? A separate condensation to feed the boliers, by connecting the feed plunger to a, small condenser in the exhausting pipe, receiving sofficient injection to supply the boliers, consequently with water of greater temperature than from the air pump; when water is foul, on this plan it may be filtered to supply the boliers only." Also, in large engines with more than one boiler a separate engline of sufficient power to feed the boliers, be advantages of filling a boile with hot water in a short time after cleaning, boilers becoming leaky without imme Ools Minz.—In these days, when financial clearness and exactitude are indisp

programs Quantizes with Gas.—I observe in your Journal of last week some remarks on lighting mines with gas. I have lately avected a gas apparatus for lighting all the underground workings in my slate quarries, near Festiniog, and shall have much pleasure in affording any information on the subject, or to give any one visiting the locality an opportunity of judging as to the success of my plan.—S. Halland: Plas-yr-Penrhyn, near Port Madee.—[We shall be glad to receive a description of the apparatus, with particulars of its application and action, for insertion in the Journal.]

tion in the Journal.]
REDUCTION OF COPIES.—In the Journal of Jan. 16, under the signature of "Q.,"
and in that of Feb. 27, signed "M. B.," attention is directed to the treatment of
poor copies. Being interested in the matter, I should feel glad to get inte
communication with either party. A letter addressed "A. R.," 30, Ashburnham
Grove, Greenwich, will reach.

Grove, Greenwich, will reach.

MEXAL MAKING.—Some time since several Prench assents said that out of the water of the occan at St. Malo they extracted eliver and copper. Here is a wide field open for enterprise. Why should not Mr. Godefroy and Mr. Reid, each practitioners in the way of producing cheap sliver and copper, apply termselves to this was source of illimitable wealth? The Duke of Leeds would willinging yrant them, at a cheap restal, one of the uninhabited Scilly Islands, on which they could creet their works. The sait obtained from the sea water would enable them to pay all costs, while the copper and aliver would be all profit. It must be borne in mind that these works would averewant a supply, se at the Scilly Islands there is no deficiency of water; in fact, the company undertaking this would have the whole of the mineral wealth of the Atlantic; a bottle, however, of the water could be act to the Checking side of the Moreovy to be tried, and from this great results might be anticipated.—J. H.: Gheshire.

THE PROGRESS OF MINING IN 1857.

BEING THE FOURTEENTH ANNUAL REVIEW.

BY J. Y. WATSON, F.G.S., Author of the Congendium of British Mising (published in 1843), Gleanings among Mines and Minera, &c.

The FOURTEENTH ANNUAL REVIEW of 1835, Containing Statistics of the Metal Trade, the Dividends and Percentage Paid by British and Foreign Mining Companies, and the State and Prospects of Muses Ass. As Few OPTES of the REVIEW OF 1832, 1835, and 1854, MAY BE HAD on application at Messrs.

Also, STATISTICS OF THE MINING INTEREST. By W. H. CUELL.

WATSON AND CUELL'S MINING CIRCULAR, published every Thursday morning, price 6d., or £1 is, per annum, contains Beccial Revorts of Minera, dec.

TAPENO'S Expositions or The Joint-stock contrast's Acre.—4t Cumarian."—The effect, and a most important one it is, of converting shares into stock is that thereby the cost of management is considerably reduced: thus, if the shares are of it. each 100 of them will be converted into 100t. escels, as that the share register department of the company of the shares are converted into stock the market is not converted into stock with being a smaller company and the shares are converted into stock, instead of 100 shares. Another effect is, that when the shares are converted into stock, instead of 100 shares. Another effect is, that when converted into stock, instead of 100 shares. Another effect is, that when converted into stock the market is not converted into stock, instead of 100 shares. Another effect is, that when converted into stock, instead of 100 shares. Another effect is, that when converted into stock the market is not into stock in the shares are of it. each 100 shares are converted into stock, instead of 100 shares. Another effect is, that when the shares are converted into stock, instead of 100 shares. Another effect is, that when the shares are converted into stock, instead of 100 shares. Another effect is, that when converted into stock, instead of 100 shares. Another effect is, that when converted into stock, will be an assume

RED LEAD.—The best work to be obtained is Dr. Ure's "Dictionary of Mines an Manufactures." We are not aware that there is any special treatise published o

for suspect.

(G. G. T."—There are no definite rules previous to a mine being admitted. An application should be made to the committee, who will investigate the circumstances and from them form their decision. In serip companies the rule is that two-third of the capital should be subscribed. We never recommend investments in any particular mine. Information can be obtained of any respectable broker, several c whose names appear in our advertising columns.

whose names appear in our advertising columns.

INDIO-CALIFORNIAN GOLD MINING CONFANY.—I am surprised that neither the Chairman or Mr. Goodman, the Biguidator, have condescended to let the shareholders know in what position they are placed. Previous to paying my contribution, I wish to see an account from Sir Henry Huntley of his disbursements in California. So soon as that is audited many of us will be willing to pay our quota.—P. P. struklay Mining that in the month of May the final liquidation of this unfortunate company will take place; at the same time, we are cautioned not to believe this, on account of the many delays that have hithertot takes place. In plain English, we are, then, to understand that the two Scotchmon and one Frenchman, who are entrusted with the higuidation, are to be outwitted, and beaten out of the field, by the semi-Hispano-Italian, Senor Don Juan de Grimaldi. Many of us are of opinion that delays are no longer necessary; the only course to be pursued is to have recourse to litigation, in order that some justice may be rendered without further preface to the sufforting shareholders. Where is now the promoter, the undertaker, the trustee!

He had his fees on all occasions, but now deserts the ship in which he did not embark, but made his fortune.—S. P. P. (City.)—The oall for new capital has not

EMBERTY GOLD MINING COMPANT.—"P." (City.)—The call for new capital has not been freely responded to, and it is expected the directors will be compelled to wind up, which, if necessary, they will endeavour to do without having recourse to law

proceedings.

JARAT CRINKIS MINE—"G. J. B." (Birmingham).—The mine is at the present timbeling vigorously worked, and as the majority of the shares in the new company artaken up by the old adventurers, they will reap the benefit of the alteration. The lord having taken such a great interest in the undertaking, and having met alparties in the most liberal spirit, is the cause of the great confidence in the ulti

MINE SHARES.—"D." (Chatsworth).—We cannot interfere in the course pursued be other Journals.

other Journals.

\*\*RACTICAL MINING—ORE DERSHEE, —Since last writing to you, I have fortunately been able to obtain from London a copy of Aiken's Dictionary of Chemistry and Affineralogy, bearing date on the title page 1807, but within are references to papers published in 1812. I have carefully read through the articles "Tungsten" and "Tin," but I am quite at a loss to know what "Nonegarius" calls a process nearly "Tin," but I am quite at a loss to know what "Nonegarius" calls a process nearly process. I shall then, but not until then, be in a position to answer the accussion of ferr, I shall then, but not until then, be in a position to answer the accussion of plagiariam. Of course, as my object is not mere personal defonce, but to elloit the truth of the matter, I can have no objection to his statement of the name of the greater authority than hisself to whom he refers in your Journal of last week With my reply to his statement, I will give the promised sketch of the history of the process.—Robert Orland : Plymouth.

\*\*BERAT WHEAL YOR UNITED MINES.\*\* "A Subscriber" (Exeter).—The reason the usual

the process.—Robert Oxland: Plymouth,
Great Wheal Vor United Mines.—"A Subscriber" (Execter).—The reason the usual report was not inserted in the Journal of March 6 was simply because noise was received in London. The omission is supposed to have arisen through the new agents having only entered upon their duties a few days.

Laty Bratha.—The cause of the sales of ore not having been regularly kept up, is that the committee through the desirable to sink the shaft, drive deeper levels, and rise and sink unres (see the reports), so that the ore can be advantageously taken away. This is now being done. Regular sampling will follow. Further calls it is expected will not be wanted.

\*\*Committee through the desirable to that the ore can be advantageously taken away. This is now being done. Regular sampling will follow. Further Subscribers in America.—Our friends in America are information.

PRINCIPLES IN AMERICA.—Our friends in America are informed that they can obtain the Mining Journal by ordering it from a bookseller in any of the principal towns in the United states. Mr Trübner, of Paternouser-row, is the London agent, and sends parcels by every mail to the principal booksellers and news agents there.

 The MINING JOURNAL can be procured at our office by Eleven o'clock on Saturday morning. Newsmen, therefore, can make the necessary arrangements to have the Journal at the several stations in time to forward by the mid-day trains, enabling many of our subscribers to receive their copies on the day of publication.

# THE MINING JOURNAL Railman and Commercial Gagette.

LONDON, MARCH 13, 1858.

A letter, in the form of a pamphlet, has been addressed to the share-holders of the Great Wheal Vor United Mines, by their late manager, Mr. H. P. Crasse. It is a temperate publication, and must tend materially to remove the personal animus which has been created in the minds of the majority of the proprietary against that gentleman. Indeed, it is only in a personal point of view that we can allude to the document, inasmuch as all details in connection with the origin and progress of the company we have fully anticipated, by the various abstracts and documents which we recently furnished, together with a clear and succinct analysis of every transaction from the commencement to the present date, which, moreover, so contravened the allegations of the committee of investigation, that we do not hesitate to express our astonishment that nothing has been done by some, or all, of those gentlemen to vindicate the position they assumed, and to invalidate, if practicable, the documents put before the public in our columns, and which give such a different complexion to every proceeding of the committee of management and of the late manager, Mr. Crasses, to that put forth in the report of the committee of investigation. The silence of these latter gentlemen is self-condemnatory, and is the best possible proof that their statement was drawn up and put forth hattily, without that due consideration of documents and fasts which was their undoubted duty, before making grave accusations against individual conduct and collective management.

Mr. Crasses, "My accusers are looking backwards, prophesying after the event, and judging from results, whilst my brother and myself had to look forward, to decide on questions of extraordinary difficulty, requiring immediate decision; and it by no means follows, because the event has proved that money might have been better expended in particular points, that I or any one else could have come to that opinion at the time it was absolutely necessary to decide." In this there is great force. It

of the Great Wheal Vor and its late manager was placed in the hands of competent, but disinterested, persons to report thereon—persons not in any way identified with the shareholders, or the suppliers of materials to the mine. The committee of investigation should recommend this course; and it is the more necessary to be done, as Mr. Crasse does not healtate to express his conviction that the ground and front of his offending was the pertinacity with which he resisted the intrigues of suppliers; while, with equal openness, he asserts that the object of the present movement against himself is to render the Great Wheal Vor a suppliers mine.

"The secret of the whole persecution to which I have fallen a sacrifice," says Mr. Crasse, "is contained in two words—supplies and power. With the control over them, on behalf of the adventurers, I have from the commencement steadily and pertinaciously refused to part. Measts. Harrey and Co., through their chief, or acting partner, Mr. Rawlings, have from the very first sought the entire monopoly of supplies. They always wanted to putan agent or two into the mines, which I would never allow."

Mr. Chrass necessarily goes into much detail as to the personal services of himself and brother, and concludes by declaring that "had I merely consulted my pecuniary interesta, I might have been already rich. But I preferred honest poverty to wealth gained by the iniquitous means familiar to some of my destroyers. Your interests were my exclusive object; to them all my energies have been applied; for them I have

From our Cornish correspondent's observations, in last week's Journal, it is evident that the letters we have from time to time felt it our duty to publish on the subject of samplers' fees and ticketing dinners are attracting considerable attention amongst those whom the subject most concernation mine proprietors, wherever resident. We confess until we were attracting with proof we had no idea of the extent to which the evil was carried. We beg the samplers to distinctly understand that we do not find fault with them; they have clearly a right to do the best they can. Personally we know they are an intelligent, respectable class of men; no doek brought up in expectation of the emoluments they receive, and they therefore, perhaps look on them in some measure as vested rights. It is not with these gentlemen we believe house exceed not sound, well-conducted, business habits; we believe these gentlemen themselves will admit that, and, therefore, that a reform is desirable.

We know from the number of letters we receive on the subject, and from the respectability of the writers, that a strong feeling on the matter is abroad, which only requires unity of action to ensure some modification being made. We think that suggested by our Cornish correspondent would meet the case, and satisfy the samplers. There can be no defense or palliation made for such conduct as our correspondent (who evidently knows the subject, when he furnishes a copy of the bill and the person present) describes—the agents enjoying the banquet, and being paid the sums in lieu of doing so. If this be not lavish expenditure in mining, we confess we do not know what can be so designated. This wedo know—it militates seriously against Cornish mining adventure: we, thersfore, as advocates of that branch of British enterprise, do no more than our dury in endeavouring to eradicate every evil we find hostile to its well-being. In doing this we again assure the samplers that we are actuated by no personal motives, as we really believe we shall in the end be

they are patent and evident, therefore let them be for ever abolished. We know of a cargo of copper ore being this week kept out of the maket—that is, out of the sampling list—solely to avoid these charges; this cargo will, therefore, be so much ore withdrawn out of the apparent produce of the Devon and Cornwall mines. This is not as it should be. The miner has long been hampered with antiquated customs and expensive trammels. All he seeks is "a fair field and no favour?" in Heaven's name let him have it.

Ict him have it.

The economical recovery, or utilisation as it is the fashion to call it, of the enormous mass of sulphur which is disengaged in the roasting of en, smelting and refining of metals generally, and in combustion of coal, it a problem which has long attracted the attention of men of science. The patent rolls teem with descriptions of inventions having this object in view. Electricity has been sent through masses of molten metal to evolve the sulphur contained therein, which is always an element of deteriontion. The same means were employed in the production of Curacric patent coke—the purest and densest that was ever seen, and the quantity of sulphur set free was surprising. But no one up to the present time has succeeded in turning the sulphur fumes to useful account. We say up the present time, for now we have been favoured with the description of an invention that appears to offer an easy solution of the problem, all which has received the unanimous approbation of the most emismi scientific authorities in France.

This invention, which is the property of Mesers Orschora, Mesoaci, and Co., the well known metal merchants, of Paris, and of which M. Dr. NONT, civil engineer, is the author, consists in the manufacture of sulphase of soda by the following means. Instead of employing sulphuries add to decompose chloride of sodium, this substance—common salt—is exposed to the action of a current of sulphurous acid decomposes the water of hydration of the salt, or that which may be added to it, during the operation, either as a liquid or in the state of steam. The hydrogen, uniting with the chlorine, forms hydrochloric acid, and the oxyen set free, as wells that which is derived from the atmosphere, changes the sulphurous acid into sulphuric acid, and the sodium into an oxide of this substance. These two bodies, by their mutual reaction, form sulphate of sods. It the same time there are formed sulphite and hyposulphite of sods, which may be converted into carbonate of soda in the ordinary manner. The mo

Our private correspondence from such of the different Australian colonies as were cognizant of the monetary crisis in England, do not apprehension was generally felt. Both the October and November mails from this country having been delivered concurrently in the colonies, the disastrous news conveyed was unexpected, and our letters mention that the merchants and others were taken so much by surprise as respectable commercial failures and difficulties at home, that the present intelligence from Australia cannot be regarded as representing the full effect which must be produced amongst the colonists, more especially as there were only a few hours at Sydney, and a few days at Melbourne, between the arrival of the Simla with the gloomy advices from England and the disparture of the Columbian with the homeward mail of January, now to have see Marseilles—in fact, it is only from the ports and immediate vicially that there are return advices to the October and November mails. From the interior we have, therefore, yet to learn even the primary effect of our momentous monetary crisis; but as the commercial interests of the different colonies are so interwoven with those of the mother country, the shock must be felt throughout the length and breadth of the several dependencies, more especially as the outward mails arrived at a most inopportuns moment, the state of the money market, from local causes, having previously occasioned much difficulty in trading communities.

The public attention of the colonists in Victoria had been diverted from railway and commercial matters, up to the arrival of the home new, by the agitation in the political arena in reference to important reform measures about to be brought before the Legislature, and as to the practical operation of the "manhood suffrage clause" in the electoral bill passed last session. A different theme had, however, been furnished by the outward letters, and politics would, comparatively, be thrown side by the all-absorbing consideration as to how the storm in the mon

plication to the Legislature was very doubtful. The Government, in fact, was not satisfied with the engineers computation; and it was admitted by their representative in the Council that their reason for advertising for tenders to construct the lines before they raised the money was "in order to obtain information;" so that there is every reason to believe that the practical features of the railway question will return to their old patition, and the money project of the Executive be altogether abandoned.

The Geelong and Melbourne Railway had got into working order, and, consequently, was rising rapidly into favour with the public. The Hobson's Bay and St. Kilda Railways continued to prosper; and during the son's Bay and St. Kilda Railways continued to prosper; and during the vide against a similar emergency. The returns of the Melbourne and Hobson's Bay Railway, for the week ending Jan. 7, 1858, amounted to 2591L, or 1726L per mile per week.

From Adelaide, our advices reach to the departure of the mail on Jan. 11th, at which date the London mails of Oct, and Nov. had not been delivered, as the Simila, which carried them, did not arrive at Melbourne.

lready rich. livered, as the Sintla, which carried them, did not arrive at Melboums tous means in due course. Thus, for the fourth consecutive time, this colony has lot rescusive a post, so that our merchants and the public generally here, who are so small have largely interested therein, are again seriously inconvenienced by not to

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rrespondents on defence on defence on ovidently the persons on paid the mining, we do know—an our duty well-being ated by no rving them, of our cor-

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ceiving replies to their communications of Oct. and Nov. last, and the Adelaide merchants will now have three mails to answer at once; all this irregularity and injury to commerce, arising from the present imperfect potal arrangements for this colony, the mail bags being still carried past their own port.

The general state of trade and commerce in the colony is reported sound; the financial position most satisfactory; and public credit never on a firmer basis. As evidence of this, one of the Adelaide banks had offered the Government 2 per cent. premium on 15,000%, worth of bonds for transmission to England, which the Government had declined. The staple experts of the colony for 1857 were greatly in excess of any previous year. The agricultural, mineral, and pastoral products were most abundant. Upwards of 50 distinct copper and lead mines had been opened np; and 30 mew applications for mineral leases in the northern districts had been made to the Government, copper of the richest description being said to exist there in almost fabulous quantities.

In the Legislative Council of South Australia a resolution was passed that "Railways in this province shall be constructed, maintained, and worked by companies and others using their own capital for the purpose; and this council will encourage and support such undertakings by agreeing to a guarantee of interest on foreign capital so employed, to an extent not exceeding 6 per cent. per annum, whenever the profits derivable from traffic shall fall short of that amount." For general details upon the mining interests of Australia, we refer to another column.

from traffic shall fall short of that amount." For general details upon the mining interests of Australia, we refer to another column.

In our last Journal, referring to the connection of the Royal British Bank with the Welsh Works, we had occasion to remark on the frequency with which persons passing through the Insolvent or Bankruptcy Courts are apt to attribute their losses to mining, even when they have only been in the slightest degree concerned with it. A stock and share broker, named Hensy Barneman, was examined on Friday last; the only assets he had were—10 shares in the Lake Buffalo and Huron Railway Company, 500 Nouveau Monde; 50 London and Californian Gold Quartz Crushing Company, 100 Fort Bowens, 150 Australian Consols, 50 San Fernados, 50 Yuba River, 200 New Linares, 50 Colonial Company, 100 Clarondon, 50 Carson's Crock, 50 Glenaulin, 1 East Wheal Rose, and 50 Cabert United—the whole of these were bought for 1630t., and the present value was 15t. Any person acquainted at all with legitimate mining will perceive that, with the exception of the one share in East Wheal Rose, all the other undertakings, though some had the aspect of success, could only be considered as purely speculative; while the least exercise of judgment ought to have told parties investing how recklessly some of these undertakings were long since defunct, or never had any existence aroupt on the prospectuses which were issued to obtain contributions from the deluded, oredulous, and unwary public. We will instance a few of these concoctions. The London and Californian Gold Quartz Crushing Company has had no offices since 1853, and at that time they professed to be working in California; the persons in a gateway in Leadenhall street, never could give any information, nor were ever any responsible people to be met with. The Yuba River was scarcely ever heard of. The mode in which the Australian Corderillera was got up, and the manner in which it was managed, is patent to all. The Carson's Crook issued a flaming report, but were hones

adventures, but spectastics to ascribe mercantile mischances to mining, such as every practical prosecutor of mineral enterprise would unhesitatingly reject.

It is too often the practice to ascribe mercantile mischances to mining. It is a most convenient expression, and from time immemorial that profession has been made the scapegoat of many commercial delinquencies. The public ought to know the difference between those schemes concocted by sanguine individuals in some cases, in others by visionary projectors, assisted by designing knaves, the only object of which is, under the attractive form of mining for some metal, to extract money from their pockets, in order to enrich themselves, without the least idea of carrying out an undertaking, or rendering a quid pro que in any shape or form. Unfortunately, although the majority of these ephemeral and delusive schemes have perished from inanition, there yet remain a few calling themselves mining companies, which were fostered in delusion, nurtured in fraud, and now exist solely on the credulity of their too confident victims. Such abortions as these are a disgrace to mining, and have been productive of great detriment to mineral industry.

We have never yet seen a failure or a reverse caused by legitimate mining, and we do protest against Californian, Australian, and other foreign schemes, being classed under the head of "mining," when they should have another generic term, which we leave our readers to supply.

#### CONSUMPTION OF COALS, AND RATE OF EVAPORATION FROM ENGINE BOILERS.

Mr. Graham read a paper at the Manchester Philosophical Society, in which he described the results of experiments which he had made with a series of small vessels of equal size, the fire being under the first, and the series of small vessels of equal size, the fire being under the first, and the flams bed alone passing under the others. The evaporative power of the first was found to be equal to 100, the second to 27, the third to 13, and the fourth to 8. A second set of experiments with larger vessels, in the shape of boilers, corroborate these results. The third series of experiments were made with the view of determining the value of a supplementary boiler as heating surface, placed under the most favourable circumstances; the result showed an advantage of 15 per cent.

Mr. Graham then detailed the results of a numerous set of experiments on evaporation, on the large scale, with reference to engine boilers. These experiments have extended over a period of several years, observations being made daily, and the results deduced from several hundred recorded observations.

Before beginning to register his results, the boilers were in each once

being made daily, and the results deduced from several hundred recorded observations.

Before beginning to register his results, the boilers were in each case reset, and, by careful and continuous experiments, were put into what was found to be their best condition for giving the best working result, as regards the admission of air, the draught of the chimney, the size of the fire-place, the distance of the bars from the boiler, the thickness of the fire-bars, and of the fire itself, the form of the fiame bed, flues, and bridges. Mr. Graham stated that in the case of one boiler the alterations had been repeated at least 30 times for this purpose. The experiments with the boilers were of 12 hours duration each, and number from 30 to 40 for each boiler. A perfect command was maintained of the draught, which varied from 0°5 to 0°7 in. pressure of water, and the temperature of the draught to 0.7 in. pressure of water, and the temperature of the draught

from 0.5 to 0.7 in. pressure of water, and the temperature of the draught at the bottom of the chimney was generally sufficient to melt lead (612° F.), but never zinc (773° F.). The conclusions which Mr. Graham arrived at by means of these experiments were the following:—

1. That the boiler usually called the "Butterley, or Fishmouth boiler,"

25 feet long and 7 feet diameter, will, under favourable, but what may be called ordinary circumstances, give with the Worsley coal, for each pound of coal burnt, 8.29 lbs. of steam; or, not including the heating of the feed water from 60° to 212° F., 9.67 lbs.

2. The boiler usually known as James Watt's "wagon-shaped boiler,"

water from 60° to 212° F., 9-67 lbs.

2. The boiler usually known as James Watt'a "wagon-shaped boiler," 25 ft. 6 in. long, and 6 ft. 6 in. diameter, will, under similar circumstances, give 8-80 lbs. of steam; or, not including the heating of the feed water from 60° F. to 212° F., 10 26 lbs. of steam for each pound of coal burnt.

3. The plain cylindrical boiler, with fire-place underneath, 42 ft. long and 6 ft. diameter, will, under similar circumstances, give 6-20 lbs. of steam; or, not including the heating of the feed water from 60° F. to 212° F., 7-23 lbs. of steam for each pound of coal burnt.

4. The boiler with two internal fire-places joined into one internal flucknown in the neighbourhood of Manchester as the "breeches boiler," 23 feet long and 8 feet diameter, will, under similar circumstances, give 6-90 lbs. of steam; or, not including the heating of the feed water from 60° F. to 212° F., 6-88 lbs. of steam for each pound of coal burnt.

5. That a supplementary boiler, under very favourable circumstances, gives a saving of 15 per cent.

5. That flues round a boiler, when cleaned out, and the sides of the boiler scraped once a week, will give a saving of about 2 per cent.

7. That a difference in the setting alone of the same boiler may produce a difference in the result amounting to 21 per cent.

8. That the difference between a good shaped boiler, properly set, and a bad shaped boiler, improperly set, but both clean and in good order, may amount to as much as 42 per cent.

9. That a difference in firing only will produce a difference in the result of 13 per cent.

amount to as much as 42 per cont.

9. That a difference in firing only will produce a difference in the result of 13 per cent.

10. That the smallest loss by smoke burning, or by the admission of cold air, either over the furnace door or in front of the bridge, or at the back of the bridge, has been 1.7 per cent.

11. That the loss arising from a scale of sulphate of lime, of not more than one-sixteenth of an inch, amounted to 14.7 per cent.

12. That neither wet coal, nor coal which had been out of the pit three years, nor wet weather, nor a variation of temperature in the atmosphere from 40° F. to 70° F., produced any appreciable difference of result.

13. That windy weather invariably gave a good result.

14. That a comparatively thick and hot fire, with a good draught, uniformly gave the best results.

15. That the difference in the results obtained with different coals, all from the immediate neighbourhood, amounted to a loss of 11 per cent.

16. That the same coals, reported to be from the same pits, will vary in their results to the extent of 6 per cent.

17. That when a boiler is worked solely for the purpose of heating, by means of its steam, dye vessels, soap cisterns, &c., if its available power, with the steam at a pressure of 2½ lbs., be taken as equal to 100, then at 7 lbs. pressure it available power will be 130; the same quantity of coal being consumed in each case. This surprising result, at present unaccounted for, may be thus stated:—That the same weight of coal consumed in the same number of hours will work ten cisterns at 10 lbs. pressure, twelve cisterns at 7 lbs. pressure, and 13 cisterns at 10 lbs. pressure.

work ten custorns at 25 lbs. pressure, twelve custorns at 7 lbs. pressure, and 13 cistorns at 10 lbs. pressure.

18. That while we may reasonably look for improvements in the construction of the fire-place, in the form of boiler, in the addition of separate supplementary heating surface, and in cleanliness, and may thereby effect a great saving in the consumption of coal, we cannot, at the same time, expect much saving from extension of flue space, when coated with soot, or from greater length of boiler than four times the length of the fire-place.

time, expect much saving from extension of flue space, when coated with soot, or from greater length of boiler than four times the length of the fire-place.

Mr. Graham stated in addition, that in consequence of the uniform low results obtained by evaporation from boilers and flues open to the atmosphere, which according to his experience never rise higher than from 5.5 to 6.0 lbs. of steam for each pound of coal burnt, also from the increased results obtained with increase of pressure, and apparently due to that condition, he is disposed to suggest that the rate of evaporation of water per pound of coal increases with, and bears some ratio to, increase of pressure.

With regard to the deposition of sulphate and carbonate of lime and mud in boilers, Mr. Graham stated that he had experimented, with more or less success, with caustic sods, quick lime, muriatic acid, soap liquor, sawdust, spent madder, and logwood chips. Two facts in particular were noticed as regards the tendency of hard water to "scale"—1. That the sulphate of lime separates from the water when in contact with the bottom of the boiler, or with other substances, such as sawdust or other materials floating in the water; but that no precipitation takes place until the water has been concentrated, by continued evaporation, down to the state of a saturated solution, or to that point which may be termed the "salting point."—2. That explosure of lime and mud are principally liberated in the body of the water, and have but little disposition to adhere to the boiler, unless cemented by the sulphate of lime.

Practically, therefore, it has been found that no scale of any consequence will be produced on engine boilers, even with such hard water and hard firing as Mr. Graham has been accustomed to, if 100 gallons of the concentrated liquor of the boiler, equal to 4 per cent, be run away on Saturday through the usual mud machine, and if the boiler be run empty every sixth Saturday and brushed out. The water used was so hard as to require from 35 to 40 measur

# THE MINING AND INDUSTRIAL INTERESTS OF CORNWALL

[PRON OUR CORRESPONDENT IN WEST CORNWALL.]

MARCH 11.—The copper standard, at the ticketing held at Pool last week (March 4), declined 31. 14s., compared with the previous week, but was still somewhat above the standard at the corresponding monthly sale.

The decline of the standard was accounted for by the smelters on the following day announcing a reduction of 1d. per lb. on manufactured, and 91. per ton on unmanufactured copper. Although it was known that the demand for copper had fallen off in the last fortnight, it was scarcely expected that the smelters would have reduced the price, but that they would have held on stocks for a few weeks, in the expectation that the cheapness of money would have stimulated trade, and have caused a better

expected that the smelters would have reduced the price, but that they would have held on stocks for a few weeks, in the expectation that the cheapness of money would have stimulated trade, and have caused a better demand. Even now that the price of copper has been reduced, it is believed that the reduction is merely temporary, and that the price of cake copper will soon rise again to 126′′. per ton. The fall in the standard, and in the price of copper, was in some degree hastened by the sale at Swansea, on March 2, having been rather a large one, and being of a better average produce than usual. The 1400 tons of ore sold on that occasion produced no less than 286 tons 5 cwts. of fine copper. With the present prices of manufactured and unmanufactured copper the standard will probably fall a little lower, unless the smelters intend in a week or two again to advance the price to consumers. The standard at present is a good one, and there does not seem to be any reason to apprehend a serious decline. The tin mines have been making up in some measure for the losses they sustained when the price of tin was so low, in the last quarter of 1857. It is to be regretted, however, that the price at present is not very well sustained. A reduction has taken place in the price given by the smelters for black tin, and this probably will be followed by a reduction in block tin. The decline, there is no doubt, will be only temporary; but trade takes a long time to recover from the effects of such a commercial panic as we have passed through, and, therefore, it is not to be expected that tin will reach the high price it attained in the spring of last year for some time to come. The price in March, 1857, was 1461, per ton for block tin. The price of lead has been rather dull during the past week. Wheal Bassets are quoted at 2401, and 2451. East Basset, 901, and upwards. West Basset is improving, and shares are at 261, with an improving tendency. It seems to be the prevailing opinion that the judge, at the Assizes next week at Bodm gossan have been found at the shaft, but the district has hitherto been found a deep one for ore; the lode promises well for a mine in depth. Alfred Consols is looking, on the whole, somewhat better; an improvement may be fairly expected in the 120, on the main lode. East Tolgus is "bunchy," but many persons expect a good mine at deeper levels. North Frances has a good mineralised lode in the 36 west; greater dopth, however, appears to be wanted for this mine. The result of the deep sdit cross-cut at South Carn Brea has somewhat disappointed expectations; the lode, however, is large and promising, and may turn out more ore as

#### REPORT FROM NORTHUMBERLAND AND DURHAM.

MARCH 11.—There is nothing new or interesting to report respecting this district this week; no change to report in connection with the coal

March 11.—There is nothing new or interesting to report respecting this district this week; no change to report in connection with the coal and other trades. Great anxiety was felt respecting the safety of the large fleet of screw colliers which left the Tyne and Wear last week, but happily they all reached the Thames in safety. But several wrecks have occurred on the coast, and in some cases the crews have also perished.

Last week some men were erecting an air crossing in the Shotton Colliery, belonging to the Haswell Coal Company, and a young man, a putter, stood some time looking at them, when unfortunately a stone fell on him, which caused his death before he could be removed from the pit.

The strike at the Witton Park Ironworks has terminated, the whole of the men having returned to their employment; the difference between the parties was only trifling. The strike has, of course, caused a great deal of destitution in the neighbourhood.

The Border Counties Railway is now completed to a certain point—to Chollerford, on the North Tyne, a distance of about eight miles from Hexham, and is expected to be opened for passengers, &c., in the course of the present month. This railway joins the Newcastle and Carliele Railway at Hexham, and is intended to proceed northwards through the border counties. It is carried over the River Tyne by means of a fine iron bridge. It will open out a considerable coal field in the border counties, called the Plashetts, and will also afford means of communication with the iron district in the neighbourhood of Bellingham, &c.

Blast furnaces have been lately put into operation at Haltwhistle, and four are nearly completed at Jarrow, on the south bank of the Tyne. This place was only recently a quiet village, a few coal staiths, cinder works, &c., being the only business carried on; but the extensive works of those energetic and enterprising gentlemen, the Messrs. Palmer, have quite changed the aspect of the place. They have established extensive iron-ship building works, engine-wor

# REPORT FROM MONMOUTHSHIRE AND SOUTH WALES.

[FROM OUR CORRESPONDENT IN SOUTH WALES.]

MARCH 11.—The Iron and Coal trades have during the past week bee still further unsettled throughout the district, partly owing to the effect on trade generally of political occurrences. The state of our relations with France excite some apprehensions, and there can be no doubt that a dissolution of the alliance, or even a prospect thereof, would exercise a very prejudicial influence for a time. Our present trade with the Continent is a valuable one, and anything which occurred to interfere with it would be deeply regretted. Of such a contingency, however, we trust there is no danger; and the elaborate explanation of the policy of the French Government, just published, may tend to reassure those who began to feel any uneasiness on the subject. With regard to America, our position remains but very little improved. The one large demand from that country is reduced to feeble proportions; and although some of the principal works are employed for that market, the dunies of trade generally is severely felt. For bars there continues to be a moderate enquiry, and that for pig from shows a somewhat greater degree of briskness. The winds have kept the docks almost empty this week, and this adds to the slackness. The tin trade remains in a very depressed condition, and the hands at the works are diminished in number and reduced in wages. The rate of pay has not altered in the coal districts since we stated—now several weeks ago—that the reduction amounted in some parts to 6s. and 7s. in 14. The men have here and there made applications for still further unsettled throughout the district, partly owing to the effect

nished in number and reduced in wages. The rate of pay has not altered in the coal districts since we stated—now several weeks ago—that the reduction amounted in some parts to 6s. and 7s. in 14. The men have here and there made applications for an advance, but no hopes are held out to them of their demands being complied with. The learned judge who came down to try prisoners at the Giamorganshire Assisses (Mr. Baron Bramwell) availed himself of his proximity to the colliery districts by descending a pit for the purpose of inspecting the arrangements. His tordship was conducted to the Mynyddnewydd Colliery, near Swansea, accompanied by several gentlemen, and went underground attired in a miner's garb, walked through the principal roads, examined the air-ways, and picked up pieces of coal and slate as in event along, examining everything very minutely. It is stated that his lordshif was very anxious to be shown some firs-damp, but there was none to be found, it consequence of the good ventilation. In order apparently to form a better idea of the severe nature of a collier's occupation, he next attempted to cut some coal, but he remarked that it was very hard, and relinquished his task. The learned judg was underground altogether about two hours, and, upon leaving the pit, he distributed a little money among the men, advising them to purchase books.

The work of education in the hills is advancing, not very rapidly, perhaps, be still with ruccess. The Iron and Coal Masters' Association has been instrumental it arousing the attention of parents to the intellectual requirements of their children and the on some quance is that schools are now more fully attended than they ever hav been before. For many years the Welsh colliers would neither learn English them selves nor suffer their offspring to do so. There was a strong and investrate bigott displeyed against any such instruction, and thus few could read books, or even will their own names. Reading-rooms were awakenom—rehools neglected; and the pal lite-bouse was ma

hail with gratification signs of progress like these, and look forward with confidence to the time when they will likewise be manifested in districts where ignorable to the time when they will likewise be manifested in districts where ignorable to the time when they will likewise be manifested in districts where ignorable to the word likewise be manifested in districts where ignorable to the word likewise the most careful to the canable of the West But Docks. The width of the cattance gate is 40 ft., 13 fest depth of water own sills, but although the whole length is only 235 feet, it is formed to be canable of accommodating two vessels of the respective lengths of 165 ft. and 135 ft., thus giving room for about 560 or 600 tons more shipping than if it had been constructed on the ordinary principle. It is built entirely of stone, and the bottom is also pare with stone; that in the side is bine lias, whilst the entrance lock and coping are composed of massive blocks from the Forest of Dean. The entrance lock is fitted with a caison built of from, by Mesars. Finah and Heath, of Chepstow, the aptition contractors for the celebrated Chepstow Railway bridge. The dock can be dried in about two hours. The erections in the yard were built by Mr. Plower, or Britshi, and comprise a large smithy, with powerful fan-biast; it is fitted with a canable and all other necessary apparatus for carrying on heavy descriptions of smith's work. A long ran re of buildings, cont timing joiners' workshops, general stores, and warehouse for Munta's yellow metal (the proprietors being agents for the port of Cardiff), offices and foremas's residence, and porter's lodge. For the convenience of vesselvouring their rigging refitting, or sails repairing, there is a commodious loft, under which are the saw-pits and sheds for boats. Grind-cones, drilling-machines, centricyal pumps, fan, &c., are worked by steam-power, the engine having been supplied by Mosars. Hall and Bustard, of Giasgow. A splendid repast was given in the afternoon to inagurate

and that they multiply to an enormous extent, living on the debris of the meals made by men and horses.

At Iredegar Petty Sessions, on Wednesday, Mr. Mackworth laid several informations against Thomas Hillman, firenan at the Ebbw Vale Company's No. 5 pit, for al lowing o 'livins to work with candles and unlocked lamps in an explosive part of the mine. There has been an explosion fatal to three men lately at the company's collieries in a place where an accumulation was thought unlikely. John Williams did not, as required by the rules, report the gas to the agent, although be placed a danger signal at the shaft every morning and ovening. When the inspector paid his vieit the gas fired in his lamp, he found a collier working with an unlocked safety-lamp, he hauler came in with a naked light, and the colliers were carrying maked light-up and down the heading within 12 yards of the socumulation of gas, which had been there five or six days—the rule of the colliery being that locked safety-lamps along should be used in that district of 'Lie colliery. Mr. Wadams, of the Ebbw Vale Iron Company, who defended the acquired, said that the place was not dangerous, and that it was unnecessary to work with asfety-lamps, or to report to the agent. The fireman and overman were, sined los, each, and costs.

At the same time, John Jones, fireman, and Elisha Robins, collier, at the Tredegar Collieries, were 'aned 2s, 6d, each, and costs, for not having attended to the roof in a stall, by which James Robins was, on Feb. 12, killed.

#### THE IRON AND METAL TRADE OF SOUTH STAFFORDSHIRE FROM OUR CORRESPONDENT IN WOLVERHAMPTON.]

MARCH 11.-What has been said of the iron trade week after week for some time may again be repeated. The United States' advices this week bring a few orders, and promise more shortly, and, if anything, the home demand is fully as good as it was. Pig-iron is not being sold at lower terms -31, 12s. 6d. to 31, 15s. being received for good qualities of hot-blast

demand is fully as good as it was. Pig-iron is not being sold at lower terms—3l. 12s. 6d. to 3l. 15s. being received for good qualities of hot-blast pigs, but stock are said to be accumulating in the hands of some makers. The present severe weather keeps up the demand for coal used for domestic purposes; but as the demand for the blast furnaces, puddling furnaces, &c., is much less, prices tend rather downward, and the colliers east of Dudley are under notic for a similar reduction to that which has taken place in the rest of the district. The general hardware trades show no decided improvement. The home demand is extremely flat. Some few orders, but chiefly smortly in amount, have been received this week by the mails from Bombay, the West Indies, and the wast coast of South America. The Australian advices received this week are, as anticipated, extremely unfavourable in respect to the trade of this as of most other districts. They describe the market as glutted with hardware goods; and one of the largest Help bourne homes blich imports this class of goods is offering los. in the 1l. The anticipations are that no material improvement in the Australian trade is expected within the next few months.

The inquest on three of the men killed by the boiler explosion at Tividale has terminated. The boiler has been carefully examined since the explosion, and evidence was given by Mr. Chilling worth, of Birmingham, and Mr. J. Cartwright, to the effect that the boiler bad been overworked, and had been red hot from want of water. A third entience, however, Mr. G. Smith, of Dadley, was of opinion that the plates of the boiler had not been repaired last Christmas. The jury returned the following verdict:—"That the deceased were killed by the explosion, which explosion was caused by an undue pressure of steam, but there was no evidence to show the cause of such pressure."

The Assize have been held for this county during the present week, and present a few matters noticeable in connection with the mining and manufacturing pur

applause; whilst banners are area of rom untersus pounts of not your descriptions. A more magnificent expression of genuine and deserved respect could not be imagined.

Reference was made in this letter, two years ago, to a doctrine laid down at the Staffordshire Lent As-izes, in 1856, by Mr. Baron Bramwell, in his charge to the grand jury with respect to the crime of manelaughter. In the case to which the leavned Baron's iremarks applied, the "doggy" of a pit had neglected a daty-laid down by the special ruise setablished under the Act for the inspection of collieries—of examining the state of the air in the mine in the morning by means of a safety-lamp before the men descended to work in it. An explosion occurred, and several unce lest their lives in consequence. Mr. Baron Bramwell directed the grand jury, that if the prisoner was only guilty of an act of emission, even if they were satisfied that this act caused the death of the deceased, the mere omission of a daty would not constitute the crime of manelaughter. I ventured to express astonishment at such a doctrine, as contrary to common sease, whatever might be tilegal correctness, but it now appears that legal doctrines are not in this case contrary to reason and justice. At the present Assizes, a case precisely similar both in the principle involved and in the general facts, was the subject of remark by Mr. Baron Channell in his address to the grand jury. He stated that some doubts has been expressed whether the mere omission of a duty incumbent upon a person, and resulting in the death of others, would render him liable to the charge of manelaughter, but the question having been referred to a superior court, it was decided that such an omission leading to such a result involved the crime of manelaughter.

#### REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE [FROM OUR CORRESPONDENT IN CHRISTERFIELD.]

MARCH 11 .- The Coal Trade is dull and inactive, and but little evidence is afforded of an immediate prospect of improvement. The late prices are well maintained, and as regards the workmen there appears to be a general feeling of contentment prevalent, and no desire on the part

the men to promote a strike.

The Hollingwood Pit, at Staveley, is again at work, but the four bo

suffocated are as yet undiscovered. There is a tolerably good yield of coal from the pit, which is compensating the owner to some extent for the serious loss occasioned by the accident. on Tuesday a lecture was delivered at Staveley "On the Chemistry of a Coal Pit," by Mr. W. Rich, —Mr. J. Heaton presided. The lecturer explained the component parts of coal and its decomposition in pits, and also of the nature of its manufacture into gas. The nature of fire dump was explained, as was also the utility of select leaves.

poment parts of coal and its decomposition in pits, and also of the nature of us manufacture into gas. The nature of fire damp was explained, as was also the utility of afety-lamps.

The Eyam Mine is not looking so well, and it is reported that the vein in fore-field has gone blind. Hence the fall in the value of shares, which are, now quoted at from 43t to 48t. Chaple Dale Shares are not very firm, there being no bayers above 21. 10s. prem. There was a sale at the Mill Town Mine on Wednesday of 223 loads. It was calculated that there would be 300 loads dressed, but the severity of the frost and the derangement of the dreesing apparatus prevented the completion of the whole of the ore raised to the surface. This, however, will make the next measure the greater.

The New Midland Mine is progressing satisfactorily, and the shares are firm in the market. The Mill Dam Mine is making good progress, and the shares are much firmer in the market. The last report of the agent is as follows:—"Very satisfactory progress has been made since my last report. We have done good work, on sidering the disadvantages we have had to labour under. The level is now cleared out 38 yards; I have dislied the same, and find it takes a very circultous occurse. For this reason I have suspended operations therein for the present for the purposes of wentilistion. I som driving a top-gation the old workings, fina, higher than the bottom level. I have already driven 13 yards, and have another 6 yards to drive; then I shall be able to put down a sump too the under level, which will give rentilistion, and aford greater facilities for getting out the sediment, and will also be a refuge or the men to fies to should the water suddenly burst in upon them. I have purgone additional men on, and intend to work night and day. I would advise that

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#### INDUSTRIAL PROGRESS ON THE CONTINENT. [FROM OUR PARIS CORRESPONDENT.]

MARCH 10 .- A decided improvement has taken place in the metal market, which, when compared with the state of other articles of produce, and even of securities and shares of all descriptions, is quite exceptional, and, doubtless, agreeably surprising to manufacturers. An order was given the other day for Champagne retinery pigs, to be delivered in three months, at 155 frs. per ton, being a rise of 5 frs. Pigs for the second melting are more sought after at 170 frs. in the St. Dizier station, probably in some quence of the improvement in the Glasgow market some time back. Wrongisticons of all descriptions are in more active demand, and orders are well sustained at 170 frs., and rolls at 310 frs. to 330 frs., in the station. The natimakers of Paris have raised their prices 20 frs. the ton upon those that were current last month; the tariff is now—No. 13, 670 frs.; No. 18, 500 frs.; No. 18, 50 market, which, when compared with the state of other articles of produce, and even of securities and shares of all descriptions, is quite ex-

#### GOVERNMENT SCHOOL OF MINES.

The lecture by Mr. Warington Smyth was a continuation of that on Dressing." In many of the operations for collecting the mineral much depended upon their various-specific gravities. Grains of gold and galena it was easy to separate from the mineral belonging to them. With regard to the grinder, as he had previously stated, there was a riddle attached to this, through which the larger pieces did not fall. In the stamps there was either a grating or bars, which would not allow the stuff to be carried away. The large material is that which is generally obtained for the crusher; the shaft smalls it was sometimes difficult to ascertain what they consisted of, and these were generally subjected to a process called "jigging." Sometimes this was performed by hand over a box or hutch, with a sieve of different mashes, according to circumstances, a given quantity of stuff was placed in this, and being shaken in water with a rotary motion, the particles were reside up and descended according to their specific gravity, and might generally be divided into three divisions—the upper, or the first, rist them added; the second portion is taken off, while the lower remains as a bed; that which falls through the sieve into the pit is demominated butch work, and in the North of England smithems. When jiggine is required on a large scale, the sieves are worked with a level and break staff, or elastic piece of wood, so as to give the necessary motion. Occasionally a boy is placed upon a stool, jamping up and down for the same purpose; this, however, may be considered as a very primitive mode of performing the operation. A diagram of a jigging mashine was then axhibited and described, where two break staves are used. In many mines, especially where they are argentiferous, and the ore not in such large masses as it is in those of gaiena, as well with copper ores, where many people are required, machinery is employed; the special particles of the second of the depended upon their various specific gravities. Grains of gold and galens it was easy to separate from the mineral belonging to them. With regard operation is, that there is no setting of the several districts in different countries would be impossible for him at present to do, as that subject aims would require a course of lectures. The lecturer text alluded to the variety of buddle which had a series of pegs over holes, which could be removed, and the stream of water so regulated that it could flow in any direction the manipulator desired, as an not to lose the valuable portion of the ore. No. I was called the heads; 2, the middle, or creases; and that at the end the tailings: these least could be thrown away, while the creases could be worked over and over again. Sometimes these were mixed in the trunking box. There was one and order again. Sometimes these were mixed in the trunking box. There was one great advantage with this machine, that it was enabled to do a great deal of work in a given time; but it was doubted whether this was applicable for goldores, argentlerous matter, or tin. The lecturer then referred to the frame; here a film was required, and the introduction of clear water. In Cornwall there were no stationary frames, but there were several in Transylvania; a stream of water was run over these, and the material was found near the top. In California it would appear the fine subdivision of gold was not understood. They often heard of parties abandoning a dressing place; others had come after them and worked the frames were? I fathoms in length. To become dressers of ore, it was not alone necessary they should attend iccurse; they might acquire a good insight into the theory, but this would be of little avail unless they practically investigated the subject in all its various bearings in the several localities.

On Priday, Mr. Warington Smyth concluded his lecture on Buddling; a condensate of with the sould be could be a Missie Covered of Aucilla 11 1827. The tearning the second and a chief the will be closalities.

its various bearings in the several localities.

On Friday, Mr. Warington Smyth concluded his lecture on Buddling; a condensation of which will be found in the Mining Journal of April 11, 1857. This terminated the mining course for the season 1857—58.

On Tacaday, at the conclusion of the mineralogical lectures on the Crystallography and General Features of Minerals, Mr. Warington Smyth observed that professional duties prevented him from continuing the course, but that Mr. Henry, who, as far is regarded the chemistry of the minerals, would be able to give them a vast fund of

we should put down a good engine-shaft. This will not interfere the least with the opening of the level; no doubt there will be sufficient ore raised to defray the major part of the expenses incurred in sinking the shaft, and then the day is not far discontinuous the expenses incurred in sinking the shaft, and then the day is not far discontinuous dates of the expenses incurred in sinking the shaft, and then the day is not far discontinuous dates defraged in the state of the expenses incurred in sinking the shaft, and then the day is not far discontinuous dates defraged in the shaft of the company for 2250f., to be fixed at Caiver. The shareholders in the mine must be prepared to advance a further amount of capital, as the 3000f, now called for will be insufficient.

Without any explanation of the grounds upon which their decision was based, the Wig in justices have confirmed the rate imposed upon the Ince Hall Coal and Cannel Company. From the evidence taken with reference to the appeal, it would appear that the decision was anything but justifiable. The overseers, in August, increased he rateable value of the colliery from 3300f. It was shown to the overseers, meeting in the colliery from 3300f. It was shown to the overseers, meeting in the colliery from 3300f. It was shown to the overseers, in August, increased bear of the colliery from 3300f. It was shown to the overseers, meeting in the colliery from 3300f. It was shown to the overseers, in August, increased bear of the colliery from 3300f. It was shown to the overseers, in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is an exactable size in a state only it combination, and is dencations, will be lituatrated. The points which have hitherto Uses treated with their general characteristics.

Libstures for Working Men—Chemistry.—The lecture by Pref. Hormans, on Monday evening, was on hydrogon gas. He stated that this gas is aimset as universally diffused as oxygen, although not in such large quantities; a occure in nature only in combination, and is an essential ingredient in all organism bodies. Water contains 11 per cent; ammonia, 17; mareig gas, 25; ciefant rate, 14; anthracite, 1 to 4; bloof, 7; and came sugar, 7. It may be obtained by denoting only on the property of the control of the cell form, when the iron is oxidised at the expense of the water; and likewise by reflect or sine, and hydrogen is separated. The lecturer then alluded to its properties as being colouriess, testeless, and incolorous, inflammable, but a non-unporter of combustion; and remarked that its low specific gravity rendered it capable of being used for filling bulboons. Although of great importance in the corony of nature and in chemical science, it has but few applications in the useful sra. Metals may be reduced from the state of oxides by its agency, and he was of opinion it might be more generally used in this respect. The oxylydrogen how-pips was then explained, and several experiments were made with iron, platinum, and pipelay, showing the intense heat produced. Metals are soldered by this method, and one advantage is that no flux is required; hence, in leaden chambers used in the manufacture of sulphuric acid, the sheets of lead are joined in this way.

#### PIGGOT ON COPPER AND COPPER MINING.

PIGGOT ON COPPER AND COPPER MINING.

We have just received Dr. Piggot's work, and, consequently, this week can do lime more than refer to it as a valuable complication. The little gives a comprehensiva notion of the contents, which principally bear on the chemistry and metallurgy of the metals, on which subject the author is clearly at home; for, basides being evisently an excellent chemist, it seems the Doctor has acquired considerable experience during an engagement of "some years in the onalysis of ores of copper, and in the determination of chemical questions concerning that metal, in connection with a large sud well-repointed smelting establishment."

The chapters on the "Chemical Relations of Copper," the "Ores of Copper" in "Analysis of Copper Ores," and on "Copper Smelting," are very complete, and combine the great excellence of being popular without being superfield. The works of Mitobell, John Arthur Phillips, and Muspratt, and the recent lecture of Dr. Percy, have, however, made these subjects more very familiar to English readers, and persons acquainted with those will find little new in this book. The chapter on "Mines and Mining" conveys a great amount of useful information in a small space. The most novel point, however, of Dr. Piggot's book, and which, probably, to cureaders will be the most interesting, is the description of the geological relations of wine of the principal copper deposits of the United States. We shall return again to this part of the work on an early occasion.

"The Chemistry and Metallurgy of Copper; including a Description of the Frischemistry and Metallurgy of Copper; including a Description of the Frischemistry and Metallurgy of Copper; including a Description of the Frischemistry and Metallurgy of Copper; including a Description of the Frischemistry and Metallurgy of Copper; including a Description of the Frischemistry and Metallurgy of Copper; including a Description of the Frischemistry and Metallurgy of Copper; including a Description of the Principal Copper deposits

"The Chemistry and Metallurgy of Copper; including a Description of the Principal Copper Mines of the United States and other countries; the Art of Mining and Preparing Ores for Market, and the various processes of Copper Smelting." By a Snowden Figgot, M.D. Philadelphia: Lindary and Blackiston.

Snowden Piggot. M.D. Philadelphia: Lindary and Blackiston.

The Geologist: a Popular Monthly Magazine of Geology. London:

Reynolds and Co.; Simpkin, Mar.Nall, and Co.

It is more by a self-inciting, vigorous, and independent activity of the mind, and less by a formal tutelage, that a thorough and sound knowledge of things is engandered. It is their self-education which, working out its perit, the important of means, and in a frequently somewhat mysterious manner, that imported to the minds of most of our great men that strength and vigour which has caused then to rise to their prominent position; and in the rapid strides with which society is advancing towards greater and greater intellectual perfection, we cannot, help training the effects of what we might call a kind of public self-education, such as Nag greatly facilitated—indeed, was almost wholly effected—by means of a free press. Neimits societies and institutions, however vast and beneficial their influence, prove if the present time, owing to various peculiarities and circumstrances in their constitution, somewhat unwieldy in performing their share of the scientific education of the people; and we might almost say that the stronger and more general the interest grows which is tuttions and the monasteries of old, as far, at lears, as regards popular education. It is hence with a feeling of gratification that we greet the appearance of the above periodical; for, if we perceive rightly, it premises to apply that principle of "public self-education" with respect to a branch of science which is intimately connected with that important branch of human industry whose interests it is our aim to advocate, and which branch of science is rapidly developing itself to greater perfection, in spite of the differences of opinions that split it camp, and that caused many of its votaries to run from one extreme to another. By extracting, like a buy see, the honey of knowledge from its various and widely-evoloping itself to greater perfection, in spite of the differences

#### A WEEK IN DEVON .- No. I.

THE EMMA DISTRICT.—The tract comprised within this appellation is comparatively of recent introduction; exploration, however, distinctly proves portions of it have been wrought by the ancients for tin streaming purposes, as well as what are termed streamers "hatches"—shallow pits on the back of the lodes denuded in their streaming pursuits. These tin streams and hatches are of great extent on the branch tributaries of the River Dart, which run from the granite ranges of Dartmoor, and into the piece of ground known as the Emma Extension.

The Emma being the most conspicuous, or rather prominent, mine in THE EMMA DISTRICT.—The tract comprised within this appellation is

tin streams and hatches are of great extent on the branch tributaries of the River Dart, which run from the granito ranges of Dartmoor, and into the piece of ground known as the Emma Extension.

The Emma being the most conspicuous, or rather prominent, mise in the way of returns of ore, and celebrity in the London market, has given the name to the locality. Here, as overywhere else, the opening of one successful mine leads to the search for and discovery of others; and here, too, the foolish practice of retaining family numes appears to have been adopted. This method of nomenclature creates considerable confusion: we see a large piece of ground dubbed the "Emma Extension;" this, on examination, we found to comprise, an area of sufficient vanteess for at least five or six distinct companies, each of which should be provided with a capital of not less than 5000l. Though the numerous streams found in it are of great advantage, yet at the Emma Mine preparations are being made to increase their power by introducing a splendid stream of water from the Dartenoor hills: this will be invaluable to the mine and its neighbour, the North Wheal Emma. There may be North-East Emma and East Emma. South, and half a dozen other Emmas, but I hope the good sense of the Devonians will avoid this evil, for such it decidedly is. What we have to do with principally is the Wheal Emma-This mine has been the subject of so much speculation and controversy, that we were induced to visit it. Having obtained permission to do so, we descended the mine, which is 46 fms. deep under adit. The shaft has been amis on the underlie of the lode. Copper ore of rich quality was discovered at an unusually shallow depth, embedded in a rich gossas. The lode is very large, consisting chiefly of gossan and capel, containing a little tin and an extraordinary quantity of ferreginous fluor-par (duate of time). Several of these spars are of the same colour and very lijes the Derbyshire blue John. The bunches of ore even at the adit level, are extensive. When th

were being carted off for sampling at Totines. This I was informed was the ore of two months, and the next sale would exceed that, which I think quite probable. I found that tribute setting was practised in every part of the mine. This has led to the discovery of several of the richest bunches, by the temptation to follow indisations. As a matter of course, tributers' wages vary considerably, as the success of their pitches siternate. We have heard this variation fouldy condemned by London managers, who declaim against captains for allowing the men such great emoluments. They should remember that ere the captains set the pitches they carefully examine them, and do not beedlessly allow the men their own terms. The end, rise, or book may be poor one day and rich the next. If the miner makes a "sturt" (a lucky hit) so ment the better for the company as well as for himself. We digress from our subject, but as the Emma is a tribute-working mine, it may be as well when opportunity offers to mention it, as doubtless some of her proprietary may see this article. The set it semall, but sufficiently large for many years' exploration, and ages of exhaustion. An immense cross-course of spar traverses the sett, and is supposed to have considerable influence on these lodes. This enormous dyke may be trued for miles, and is consonant with the great cross-course of similar composition running entirely through the isle of Man, near the Fordale Mines; therefore, if we reason from analogy, this is a favourable feature in this and the adjoining sett, of which we have spoken as the North Wheal Emma, one of the extension setts. Here, in an adit level, a fine lode, quite parallel to the great Emma lode, has been discovered, containing the same peculiarities and characteristies—blue John, copper ore, and rather more quartz or siex, a very fine and bold lode, which has been driven on for several lateous, and some good stones of asving work procured. There are severa other lodes in this sett, which have been opened on by costean pits, a

AUSTRALI which gold it aid of mather race, and the washing month have rendered not one in the

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nested in the lactive as its hat all the lactive as its hat all the lactive as haustible naticles, while its received in 1857 the the lactive of the lactive otal value of THE Cor THE Cor more essenti would have perhaps less check to the per and lead smail portio 25 and 30 ap aorthern di-year 1856 th 1857 is will course, the of the Kapr chance of a in a few year a populatio

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seeth not important facts would be developed. We call this mine a speculation, but sertinly a fair one; we should, however, like to see its name changed. Cannot sent gestleman suggest another, as explandious and lacky as Emma?

ADSTRALIA—GOLD MINING IN VICTORIA.—All the older districts, from which gold has been exhumed with rude appliances, and almost without the aid of machinery, are as busy as ever; but the steam engine, the dam, the race, and the quartz-crusher are now allied with the pick, the shovel, the washing-tub, the cradle, and the tin dish. Hitherto some 10 tons per most have rewarded the exertions of the miners. The additional capital and entergrates are stored necessary by the continual adoption of mechanical appliances to oversuch the startal difficulties of the pursuit, will not go without their due stare of the seat to flass. What new discoveries are to distinguish the year no one can say but got one were to occur during the next 12 months, the increase in skill and capital arcsted in the old fields is sufficient to warrant the prediction that 1855 will be as proactive as its predecessor. Quartz mining is now the favourice pursuit; and the fact that all the large and powerful machines are being erected by minor and the fact that all the large and powerful machines are being erected by minor and the fact that all the large and powerful machines are being erected by minor and the fact that all the large and powerful machines are being erected by minor of the fact that all the large and powerful machines are being erected by minor of the fact that all the large and powerful machines are being erected by minor of the fact that all the large and powerful machines are stored to the start and the fact that all the large and powerful machines are stored to the start and the fact that all the large and powerful machines are all powerful machines are an wall be imagined.

In 1855 the total second were 2,478,836 cass, and the shipments 2,757,947 cas. The total excelved by record amount of the powerful mach

IRON TRADE WITH AUSTRALIA.—Each succeeding mail from our Australian colonies continues to bring large orders from these dependencies for iron rails and pipes, for various purposes. Another is reported, on the present occasion, from Victoria. An existing contract with the South Australian Government, for the supply of water pipes, to the amount of some 80,000%. or 90,000% sterling, is now being carried out here with promptitude, by shipment of about 600 or 800 tons per month, notwithstanding the combined disadvantages of the late prolonged strike in the iron districts, and difficulty of obtaining continuous tonnage for such large quantities of "dead weights."

MINING IN JAMAICA.

The CLARENDON CONSOLIDATED OF JAMAICA.—F. C. Harpur, Feb. 8:

STANFORD HILL MINEA.—In again laying before you my report of the above mine, I beg to say we are pushing forward with our different operations as fast as the nature of the ground will admit of. At the new engine-shaft sinking below surface the ground, as I anticipated, is much harder than it was when I last wrote you, being a close light porphyry. We are down to date between 5 and 7 fms. In my last report I informed you that we had made a communication with the shaft and rise between the 85 and 46 fm. ievels, since which we have been squaring the ground. In a day or two from this I hope to commence rising above the back of the 35 towards the shaft coming down from surface; here also the ground is very hard. Number of people employed for Jan. 14 English and 50 natives.

Wheal Jamaica Copper Company.—The works are still confined to driving the 65 fm. level cross-out; the ground has become casier, and we shall now make greater progress; the extreme hardness of the ground has been such that laterly we could not get through much more than I fathom per week. We have now all tons of ore in Kingston, which we expect will be increased to 20 tons for our next shipment. Mr. Tregoning proceeds to Guaring Cross to-morrow (Feb. 11), and we prevent aspect and future prospects of the mine.

ELLEBRILE AND BARDOWIE MINING COMPANY.—Matters remain at Sailbury Plain in much the same state as when last reported upon; the lode improving in death. We are yet troubled by an influx of water at the sheft, and for the

ELLERSLIE AND BARDOWIE MINING COMPANY.—Matters remain at Salibury Plain in much the same state as when last reported upon; the lode improving in depth. We are yet troubled by an influx of water at the shaft, and for the present we have exceted a wooden pump. In the 4ft. lode it must be nearly perpendicular. In Parry's level, as it is not cut yet, we are driving at the rate of 15 fms. per month, and if this supposition prove correct we shall not intersect the lode for 20 fathoms more. Capt. Arthur has returned from the United States, where he engaged and brought with him several Cornish miners, who have proved themselves very efficient and experience i workmen. We have engaged Mr. Tregoning to fuspect all our minus before he returns to England. He thinks highly of the ore he has seen here from Salibury Plain.

Rio Grande Mining Company, Feb. 9.—The mines are looking exceedingly well, with pienty of ore visible. In No. 1 lode we have a good branch of ore, worth 18t, per ton. The bottom (No. 3) lode, situated in a ravine: these workings are about 300 feet below the summit of a mountain; we have cunk on the lode as low as we can for water, but there is a good lode of ore going down. Two men, working east, can easily break 1 ton of ore per month. I have commenced a cross-cut about 8 fathoms below, and driven it in about 5 fathoms, and think about 6 fms. more will intersect the lode; as soon as this is done we could ship a large quantity of ors. No. 5 lode looks well. Two men could break 1½ ton per month, worth 206, per ton; and we have the same position and capability in the back of Rio Grande. The prospects at Brookdale are equally good and satisfactory. I sent nine barries away last week for Kingston, and have a deal more ready to dispatch.

We have to day asmiped some ore from the Wheal Company's mine of Charing Cross, of 22½ per cent.—R. Hastie Wilson & Co.: Liverpool, March 10.

RAILWAY UNITY BENEVOLENT FUND FOR WIDOWS AND ORPHANS.—
We are glad to see that a movement has been commenced in the railway world for
the establishment of a fund or institution for the relief of distressed widows and
orphans of railway olerks. That such an institution is necessary must be patent to
all, particularly when we reduct that their salaries are not large, and that they must
appear respectable. The movement, we observe, is supported by some of our most
induential railway officials, among others are the names of Capt. Huish, E. Watkin,
K. Morison, W. Wood, H. Ward, and Seymour Clarke, Esqrs. The first meeting was
held at Camden Hall, Camden-town, on Friday, March 5, when it was addressed by
Mesers, Bujon, Chadwick, Houghton, and Tribe, of the Railway Clearing
House. The meeting pledged itself to carry out the surgestions made by Mr. Dixon,
and broke up, well satisfied with the resolutions that were passed. This augurs well
for the fature. We wish it every success.

IRON Shipbuilding.—By reference to another column it will be seen

Inon Shippullding.—By reference to another column it will be seen that the Rassian Government have issued an ukase allowing the importation of pieces of metal and machinery into Russia duty free, when there are to be employed in the construction of ships on account of subjects of the Empire. This is another proof of the importance of this branch of national industry, and the necessity there is for adopting the newest improvement's which may emanate from practical persons who have studied the subject. When we see a despotie power like Russia, long noted for the severity of her fiscal regulations, relaxing the tariff for a particular object, it is a significant fact that she recognises the utility of the object in question. During the past week Mr. J. Clare, jun., has had several interviews with Admiral Sir Baidwin Wask Walker, and the model of his vessel is now deposited in the Surveyor's Office at the Admiralty. The question of having large transports has already for a considerable period attracted the notice of the Earl of Mardwicks, who, in addition to his being one of the present Administration. Is likewise a navial officer of considerable repute, and there is every hope that in his place he will urge on als colleagues the necessity of investigating the merits of Mr. Clare's proposition. The subject has now been before the public for some time, and we may therefore aspect, as it is now under official scrutiny, that a estifactory solution of the difficulties that have hitherto impeded the progress of a better construction of our ironships will be arrived at.

culties that have hitherto impeded the progress of a better construction of our iron-sibje will be arrived at.

TESTIMONIAL TO MR. C. T. PREBELE.—On Monday evening a pleasing tribute was paid to this gentleman, on the occasion of his leaving-England for services on the Riga and Danaburg Railway. Mr. Prebble was the engineer for stillateority had be performed this duty that on his appointment to the staff of the Riga and Dunaburg Railway, under the contractor, Mr. Thomas Jackson, of Pimileo, those with whom he was associated in carrying out the contract for the Victoria Decks desired to give him on parting some substantial proof of their esteem. About in friends were accordingly invited to a supper on the occasion, at the Bell and Auchor Hotel, when the Chairman, Mr. Bowman, presented Mr. Prebble with a highly gratifying testimonial, written on parchment, accompanied with a very aplendid gold watch and chain, and a maconic ring.

At the Institution of Engineers in Scotland, on Wednesday, the following papers will be read:—On Winding Apparatus, including Mine Hoists, by Mr. J. R. Robertson; on Apprenticeship, by Mr. W. Neilson; on Employing Steam Engansiery, by Mr. J. R. Morton (continuation of a paper read at last meeting); on the Expansion of Steam in Steam-engines, by Mr. J. G. Lawrie;

#### WEEKLY LIST OF NEW PATENTS.

GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS.—W. H. CRISTIN, Stratford: Bearings, beds, and sockets for axies, shates, pivots, and other rotating parts of machinery.—G. Claridor, R. S. Ropes, Monmouth: Manufacturing coke.—E. Maw, Yorkehire: Iron wheels.—W. E. Neyes, Monmouth: Manufacturing coke.—E. Maw, Yorkehire: Iron wheels.—W. E. Neyes, Monmouth: Manufacturing coke.—E. Maw, Yorkehire: Iron wheels.—W. E. Newes, Inston-garden: Joining soft metal pipes.—W. Hall., Erith: Apparatus for working railway betaks.—R. A. Bacoman, Pipest-atreet: Effecting the amalgamation of precious metals.—F. Puts, Haveratock-hill: Certain hydro-carbons.—J. Boydel, Camben-town: Locomotive carriages.—E. Bollass. St. Just: Suprating metal and metallic ores from other mineral substances.—C. Kave, Lockwood: Couplings for connecting and disconnecting wagons and other carriages on railways.—A. V. Newton, Chancery-lane: Means of releving the slide valves of steam engines of unnecessary friction.—J. Almold, Newton Moor: Metallic pistons.—J. B. Barnes, J. Locke, Birmingham. Apparatus for descending and ascending the shafts of mines and other deep pits, the ascent and descent of which imperis the lives of the miners or others employed therein.—J. Trayleman, Danfermine: Artificial fuel.—W. Slafers, S. Smith, Bolton-le-Moors: Machinery to be used in turning and cutting metals.—MM. Greener and Path: Electro-magnetic motors.—D. Greener, Pertonville, T. B. Daff, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for boring for water, or for other purposes.—J. H. Jonsson, Liverpool: Machinery for bor

ful, cannot fail to produce a wonderful effect upon the system now adopted in the working of collieries is offered by the inventor, a Frenchman, to those interested upon highly favourable terms:—The sum of 10001, is to be placed in the hands of a notary in Paris, and paid to the inventor for communicating his secret when he has proved the efficacy of his system by working his apparatus in any coal mine that may be named. The apparatus is said to be permanent, and capable of destroying the fire-damp as it rises; and the inventor will prove, by working his invention, that the safety-lamp is not indispensably necessary in collieries.

STEAM-ENGINES.—An invention has been patented by Mr. T. Forsyth, Manchester, in which a plate is applied to the back of the valve, and pressure given by a wedge acted on by a spring. A accord spring is applied to the back plate, so at to allow the valve to rise off its seating if necessary. Frovision is made by set acrew passing through the lid of the valve chest, or otherwise, for keeping the valve up to its scating as it weers away. The back of the valve is open, thereby allowing the steam to assist in lubricating it, and to facilitate in adjusting the valves to the ports.

steam to assist in lubricating it, and to facilitate in adjusting the valves to the ports.

ENDLESS RAILWAYS.—Mr. W. C. Cambridge, Bristol, provisionally specified an improvement in the construction of endless railways. He proposes to suspend shoes or flat bearings, which will drop on the ground just before the links to which they are respectively attached, and thus receive the end pressure of the joint instead of allowing them to press on the soft ground. Upon the inner face of the links he forms ears or projections, which set as guides to the wheel as it passes over the rail; but they are intended chiefly to form beavers for a series of pins or laters) projections on the wheel, which pins, as the wheel revolves, come in front of the ears, and acting as stops, prevent the wheel from slipping back on the rail. When these cars are not employed as guides to the wheel he fits guides on the other side of the rail, and forms an annular siot near the wheel's periphery for the guides to work in.

PERPETUAL MOTION.—Mr. W. Gilmour, Dalbeth, Lanark, has invented an improved mode of obtaining motive power. The rising and falling of weighted levers to rise and fall.

APPARATUS FOR EXTINGUISHING FIRES,—Messrs. Middleton and Lowes.

the levers to rise and fall.

APPARATUS FOR EXTINGUISHING FIRES,—Messrs. Middleton and Lowes. Southwark, propose to carry a pipe from the main to the full height of the building to be protected; branch pipes are carried round the ceiling of each apartment, and to these are attached balls perforated so that the water may be ejected in the form of fun; by an arrangement of stop-cocks any particular apartment can be instantaneously and effectually flooded. A pipe is also carried up the chimney, and the water is thrown when necessary at an acute angle.

O SLATE AND STONE QUARRY PROPRIETORS AND OTHERS.—The ADVERTISER, who has an intimate acquaintance with everything connected with the above, and has for several years carried on a large trade (including several Government contracts), and who has likewise a good connection with first-class builders in town, is desirous of obtaining a SITUATION as CONFIDENTIAL CLERK or AGENT. His references are of the first order.—Address. "Z," care of the Housekeeper, 150, Leadenhall-street, City, E.C.

TO IRONMASTERS AND COAL PROPRIETORS.—CLERK.—
A YOUNG MARRIED MAN seeks an ENGAGEMENT as CLERK. He is
proficient in accounts and book-keeping by double entry, and has long been accustomed to accounts in the iron and coal trades in all its branches. References of the
highest respectability, and security if required.—Address, by letter, "A. J.," Mining
Tournal office, 26, Fieet-street, London.

TO IRONMASTERS.—The ADVERTISER has been MANAGING FORGE and MILLS for the last 20 years, and will shortly be OPEN to a FRESH ENGAGEMENT. Unexceptionable references.—Address, W. B. Popkin, chemist, Masster, Bridgend, Glamorganshire.

PATENT for the USE of a GAS TOP for BLAST FURNACES, which has been in operation for more than twelve months, and found to answer every expectation, OFFERS HIMSELF to SUPERINTEND the ALTERATION of BLAST FURNACES to the principle of the PATENT. The expense of fixing is moderate, and the ECONOMY in the USE of FUEL is very great where the PATENT GAS TOP is used. Address, 115, High-street, Stockton-on-Tees.

TO NOBLEMEN AND LANDHOLDERS.—WANTED, and rate ability, thoroughly acquainted with the management of land, planting, draining &c.; a good judge of cattle and horses; and who is also a practical geologist of Styaers' experience in the development and working of minerals. Has no objection telerand, or any other country. Good references, &c.—Address, "Agricoli," Post office, Weedon.

TO MINE OWNERS, CONTRACTORS, AND OTHERS.—FOR SALE, a bargain, about 1000 yards of % in. ROUND WIRE ROPE, in two lengths; and about 300 yards of 3% in. FLAT dilto, in one length; these ropes are in first-rate condition, being very little worn. Also, about 120 yards of 3½ in. FLAT WIRE ROPE, new.—For price, apply to Mr. John Horsley, Barlow's-court, Market-street, Manchesley.

THE ADVERTISER, having MANGANESE SETTS of high quality NOW AT WORK in North Wates, is willing to ADMIT a PARTNER, who will advance the moiety of the capital required to work the same. The sum required is small, and no premium; or he will dispose of it.—Address, H. Weston, Esq., Carmarvon.

PARTNERSHIP IN A COLLIERY.—The HOLDER of a LEASE of a valuable BED OF COAL in Derbyshire, only partially developed, is desirous of MEETING with a GENTLEMAN who can command from £1500 to £2000. The fullest information will be given, and a professional survey will be allowed if required.—Apply, "A. B.," care of Mr. J. Fraser, 47A, Moorgate-street, London, E.C.

DARTNERSHIP.—A GENTLEMAN with a most valuable connection as engineering auctioneer and valuer, also as merchant engineer and sahinery agent, for home and exportation, is desirous of MEETING with a PARTNER, a man of influence, intelligent, energetic, and industrious babits, to enable him to extend his sphere of operations, and establish a branch in London.—Apply. "P. S.," Mining Journal office, 26, Fleet-street, London.

WANTED—A GENTLEMEN (Aged 26), who has MANAGED an IRON FORGE for the last five years, wishes to MEET with a SIMILAR ENGAGEMENT. The highest testimonials can be given.—Address, "M. O. H.,'

WANTED, by LEAD MERCHANTS in LIVERPOOL, an AGENCY for the SALE of BLOCK and BAR TIN, also TIN-PLATES.—Address, "Z. A.," Mining Journal office, 26, Fleet-street, London.

WANTED, an EXPERIENCED TIN DRESSER, for NORTH TAYY MINE, Devon.—Partics applying must state what salary is expected, and forward their testimonials to Mesers. Copp and Figure, Managers of North Tay, Mine, 3, Union-street East, Plymouth.—March 9, 1858.

WANTED, a MANAGING FOREMAN, to TAKE CHARGE under a resident partner, of large LEAD and SILVER SMELTING and REFINING WORKS. He must be thoroughly conversant with the assaying and smelting of lead and silver ores, as also with Pattinson's Desilvering Process. Unexceptionable references and security required. None but thoroughly practical member dapply.—Address, "Box 22," Chester.

WANTED, a good SECOND-HAND FIRE ENGINE, to be used for the purpose of drawing and grushing, of 20 to 24-horse power, to be delivered at Teignmouth, Devon.—Letters, stating price, &c., to be addressed to Mr HEMMINO, 40, Broad-street-buildings, London.

WANTED, a GOOD SECOND-HAND PUMPING ENGINE, 36 to 45 in. cylinder.—Apply to W. H. M. Blews, Esq., East Hender Mine

NGINE WANTED.—WANTED, for the PENHALLS MINE (St. Agnes), a 30-inch cylinder DOUBBE-ACTING ROTARY NEW or good SELUND-HAND STAMPING ENGINE, of 9 leet stroke, with two fly-wheels o 9 tons each, boiler 10 tons, with all appendages complete. Also, two axies for 32 heads. The whole to be approved of by the engineer, and delivered at the mine or or before the 1st of May next.—Tenders, stating the lowest price, to be sent to Mr. EDWARD KING, 27, Austinfriars, London, on or before Friday, the 19th inst.

ENGINE AND BOILER FOR SALE, equal to new; engine 10-horse, lowest price £33; boiler 16 ft. × 3 ft. 6 in., would do for a 12-horse engine, price £30.—Apply to Mr. HEMMING, 40, Broad-street-buildings, London.

NOTICE TO CREDITORS.—ALL PERSONS having ANY CLAIMS on the EAST FOWEY CONSOLS MINE, in the parish of Lanli very, Cornwall, are REQUESTED FORTHWITH to SEND in the particulars of their ACCOUNT'S to Mr. Gronge Rice, 10, Austinfriars, London.

Dated March 9, 1858.

PROF. OWEN, F.R.S., D.C.L. (Superintendent of the Natural History Department of the British Museum), WILL DELIVER a COURSE of TWELVE LECTURES on FOSSIL BIRDS and REPTILES, at the MUSEUM OF PRACTICAL GEOLOGY, Jermyn-street, on Thursdays and Fridays, at Three P.M., commencing Thursday, the 18th of March, 1888. Tickets may be obtained at the Museum, Jermyn-street. Pee for the Course, S. RODERICK I. MURCHISON. Director.

TO INVENTORS AND PATENTERS.—The PETITION to PARLIAMENT for REDUCTION of GOVERNMENT DUES on PATENTS, especially the £50 at the third, and the £100 at the seventh year, prepared by the National Patent Law Amendment Association, LIES FOR SIGNATURE at Mr. CAMPIN'S, Hon. Patent Law Adviser to the Association, 136, Strand, W.C.

ONSOLIDATED COPPER MINES OF COBRE.—HEAD MINING CAPTAIN.—WANTED, for the above-named association, a HEAD MINING CAPTAIN, to manage the company's mines in the Island of Culta. Particle desirous to obtain the above spopnitment are requested to apply at the company's offices, Gresham House, Old Broad-street, London. The applications are to be by letter, addressed to the directors of the company's stating full name and address of the party applying, where he has been previously employed, with references as to competency and character.—Particulars of the appointment may be obtained at the company's offices.—Gresham House, Old Broad-street, London, March 11, 1858.

TAST FOWEY CONSOLS MINE, in the parish of Lanlivery, Cornwall.—TO BE SOLD, BY PRIVATE CONTRACT, a 36 in. eyimder of and cape, complete; it has worked but a very short time since its first erection, and is in very good condition. A CAPSTAN, SHEARS, and BALANCK-BUB. Also, he LEASEs of the MINE, of which about 18 years are unexpired.—For particulars and to treat for the same, apply to Mr. George Rice, 10, Austinfriars, London; or to Mr. WILLIAM BROWNE, auditoneer, St. Austell.

Dated St. Austell, March 9, 1858.

TO BE SOLD, TWENTY SHARES in the LINZ COLLIERY COMPANY (LIMITED), situated at Burnupfield, near Gateshead. The proprietary are gentlemen of great influence and wearth, and the coal produced is of the 
first class for locomotive purposes. The mine is in full working order. The shares 
are £100 each, with £90 paid.—Address, "P. T.," Mining Journal office, 26, Flectvivest London.

POR SALE, ONE or TWO HUNDRED DALE SHARES (£1 paid), 32s. 6d.—Apply, "A. B. C.," Post-office, Throgmorton-street, E.C.

FOR SALE, 100 to 150 SHARES in GREAT CARADON COPPER MINE, at 4s. 6d. per share.—For particulars, apply to Mr. R. SMITH, Copthall-court, Throgmorton-street.

GREAT WHEAL BUSY.—FORTY SHARES in this valuable property FOR SALE, at 61/2 cash; or an agreement would be entered into to take all the loss and share the profit.—Apply, by letter, to Messre. Tucken and Co., 31, Sun-street, Bishopsgate.

WEST ALFRED CONSOLS.—FOR SALE, TEN SHARES, at \$27 10s. each.—Apply, W. H. PROSSER, No. 1, Crown-court, Old Broad-

PY TENDER, on MONDAY, 22d March, 1858, lying at Liverpool, SILVER-LEAD ORE, about 140 tons.
F. T. BARRY AND CO., Brokers, 1, Hammond-court, Mineing-lane, London.

TO OWNERS AND OCCUPIERS OF IRON FURNACES AND OTHERS,—TO BE SOLD, BY PRIVATE CONTRACT, a SHARE in a MINING COMPANY, now in operation in the North Riding of Yorkshire.—For further particulars, apply to Messrs. Newton and Robinson, solicitors, York. Feb. 23, 1858.

TO BE SOLD, CHEAP, ONE 36 in. ROTARY ENGINE, with fly-wheel and one boiler (near Plymouth).—For particulars, apply to Mr. Hy.

TO BE DISPOSED OF, a valuable RAILWAY WAGON and AXLE TRADE in the Midland Counties, well situated as regards railway communication, cost of labour, and fuel; or, the proprietors will not object to take a partner, who is thoroughly competent to take the sole management. Capital is a secondary consideration.—Apply, "A. B.," Mr. J. Fraser's, No. 47A, Moorgate-street, London, E.C.

CAST-STEEL BORERS SUPPLIED TO MINE AND QUARRY OWNERS and CONTRACTORS, at 4d. per lb. nett, by ROBT. MUSHET, Coleford, Gloucestershire.

EAN FOREST.—TO COAL AND IRONMASTERS.—TO BE SOLD, BY PRIVATE CONTRACT, ALL that valuable and extensive GALE or IRACT OF COAL, called BUDGE COLLIERY, at Yorkley Buttom, to get the coal from the Whittington, Coleford, High Delf, and all other unalicited veins. This gale extends over about 150 scres, and is estimated to supply an abundant yield of coal of excellent quality for domestic, smelting, steam, coke, and other purposes, with most efficient and convenient means of transit by tramway to Lydney.—Apply to Mr. WK. KEAR, Rising Sun Inn, Breem, one of the proprietors; or to Messrs. Roberts and Hullett, solicitors, Coleford.

CRINDING AND AMALGAMATION MILLS TO SELL, OR LET, with suitable PREMISES at PIMLICO. Or CONTRACTS for GRINDING COPROLYTES, EMERY, QUARTZ, or OTHER HARD SUBSTANCES and MINERALS. Premises consist of about 6000 ft., and a 6-horse engine, water carriage, cood water supply, and every convenience suitable for a manufactory. Terms moderate.—Apply to "A. B.," 40, Great Mariborough-street.

OLD MINING COMPANIES.—SHAREHOLDERS in the different CALFORNIAN and AUSTRALIAN GOLD MINING COMPANIES are requested to CALL on Mr. F. SQUIRE, 74, King William-street, City, that he may submit to them a plan by which the shares in such companies, which are now valueless, will be again marketable.—74, King William-street, City, Pec. 24.

T. JOHN DEL REY MINING COMPANY.—Notice is hereby given that a SPECIAL GENERAL MEETING of the St. John del Rey Mining Company will be held at the offices of the company, No. 8, Tokenhouse-yard, in the City of London, on Friday, the 28th day of March, at Two o'clock in the afternon precisely, to the purpose of procuring the assent of the company to its being registered as a limited company under the Joint-Stock Companies Acts, 1855.57, and to change the name of the company by the addition of the word "limited" to its present name. At this meeting the vacancy in the direction, occasioned by the death of Edward Hurry, Esq., will be filled up. JOHN HOCKIN, Managing Director. Dated 8, Tokenhouse-yard, March 12, 1859.

EAD FOR EXPORTATION.—PIG-LEAD (hard and soft)
SOLD at LOW RATES. The BEST PRICE given for LEAD ASHES, &c.,
ad OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

TICKEL AND COBALT REFINING, AND GERMAN SILVER
WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.
STEPHEN BARKER begs to inform the Trade that he has the following articles
for sale:-

reale:—

REFINED METALLIC NICKEL. | OXIDE OF COBALT. [WIRE, &c., REFINED METALLIC RISMUTH.] GERMAN SILVER—IN INGOTS, SHEET, NICKEL AND COBALT ORES PURCHASED.

TO CAPITALISTS.—RELIABLE INFORMATION may be obtained on application to the undersigned, in respect of MISCELLANEOUS SECURITIES generally. BANKS, INSURANCE SHARES, LAND COMPANIES, MINES (British and Foreign), RAILWAYS, FOREIGN STOCKS, and the PUBLIC TUNDS BOUGHT and SOLD at the closeest market prices, and at moderate commission. References given and required. JOHN BATTERS, Stock and Sharebroker. 26, Throgmorton-street, London, E.C.

MR. W. H. BRUMBY, STOCK AND SHAREBROKER, 1, QUIET STREET, BATH, is in a position to give the BEST ADVICE in the SELECTION and PURCHASE of DIVIDEND and PROGRESSIVE MINES.

JAMES H. COCK, MINE SHAREBROKER, GENERAL.
COMMISSION AGENT, AND ACCOUNTANT, REDRUTH, CORNWALL.
J. H. Cock embraces the present opportunity of thanking his friends and the public generally for the amount of confidence and support he has received from them during the past year, and hopes by continued energy, promptness, and strict attention to all business entrusted to his care, to merit a continuance of the same.
Mines insmeeted and reported on, and every information farnished.

JOHN GLEDHILL AND CO., MINE AGENTS, SHARE
BROKERS, AND GENERAL DEALERS.
MINING RECORDS OFFICE, 12, SOUTH PARADE, LEEDS.
Mines well selected are the best investments, paying from 15 to 30 per cent. on the
outlay. They have to OFFER SHARES in most of the DIVIDEND and PROGRESSIVE MINES, and are ready to give every information relative to all mining
matters.—Dated March 12, 1838.

WEST END MINE AND QUARRY OFFICES, 5, WATERLOO PLACE,

PALL MALL.

KESSRS. BRUNTON AND CO., ENGINEERS AND MINERAL
SURVEYORS, undertake the MANAGEMENT and WORKING OF MINES,
QUARRIES, &c., and CONDUCT the LONDON AGENCY of all MINERAL PROPERTIES in their offices with system, economy, and regularity.
Messrs. BRUNTON and Co. beg to inform proprietors of mines, &c., that the business
of these properties is carried on in their office upon the following principles, viz.:—
Accounts systematically and closely made up.
Statements in detail, and clear summaries of finance and expenditure.
Entire and impartial openness of books, reports, and documents, to all shereholders, for perusal or extract.

Immediate communication of any important occurrence to the shareholders.

MINERAL PROPERTIEN SURVEYED, and ESTIMATES OF MACHINERY,
PLANT, and COSTS OF WORKING FURNISHED.

ESSRS. FULLER AND CO., 51, THREADNEEDLE STREET, LONDON, continue to TRANSACT BUSINESS in BANKING, MINING, and RAILWAY SHARES, many of which will pay 20 per cent., with every prospection creasing considerably in value.

Messrs. FULLER and Co., have FOR SALE Dividend Shares, much below their real value, and must increase in price; also, a few shares conducted on the Limited Linglity Act, which in a short time will become a safe dividend property; also, Shares in the leading Banks, and \$2000 Railway Ronds.

Every information afforded at the office, between Ten and Five. Communications promptly attended to.

MAE

TO MIN NEVY STALL STALL

BERDAN or other sul driving great (45 cwts. earlyide Mine, Application

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STAF STONE at Birming ha Midland di and has be tensive wo which the are very or the necess plant to b Aldridge,

TO E COAL, calleds of coths counts in The field and sample beds are urenare. L

# GREAT EAST TAMAR MINE.

THE GREAT EAST TAMAR MINE OFFICES,—20, ST. HELEN'S PLACE, LONDON, E.C.

Secretary—Mr. George Lavington.

The Great East Tamar Mine is situated in the parish of Beerferris, in the county of Devon, and is surrounded by valuable and productive mines. It is traversed by odes which, in the sontinguous setts, have been successfully and profitably wrought on the north, the adventurers of the old Butte Pill Mine realed some hundreds of ton of ore, and followed the lode beyond their own boundary into this sett. On the south he East Tamar Consols Company is working on the same loads, which, as it approaches he Great East Tamar Mine, is becoming very productive, carrying a fine course of ad ore, with every prospect of a continuation. The South Tamar Company also orized this lode, and had paid dividends to the amount of £30,000, when, through leaf explogations approaching too near the best of the river, it broke in and stopped perations. For upwards of three miles in length the sountry is traversed by this reat vein, and it has never failed to reward the adventurers who have explored it. The mine is most advantageously situated for ecosomical working, being close to request on Tamar river, to which there is easy access, readering the cartage to and of for ore and materials very cheep.

An adit has been driven by the adventurers in the adjoining mine into this.

the quay on Tamar river, to which there is easy access, readering the cartage to and for for one and materials very cheap.

An adit has been driven by the adventurers in the adjoining mine into this sett, and can be carried on at a very moderate outlay, proving the lode for 60 fms. deep.

Judging from the fact that this lode has already, in adj laing mines, proved as remenerative, and that the expenses of cartage and of working will be exceedingly light and comparatively small, it has every feature of encouragement to recommend it to the attention of expiralists, and will, without doubt, prove highly remunerative with but little expenditure of time and money.

Application for shares to be made to the sceretary, at the offices of the company, where plans and reports can be seen, and every information had.—March 5, 1858.

wasre plans and reports can be seen, and every information had.—March 5, 1838.

PWLL-Y-WHEEL LEAD MINE (LIMITED), MOLD, FILINTSHIRE.
Capital \$4200.—Divided into 560 shares, at £7 10s. per share.
This mine is situated to the east of Massyaafn and Jamaica Mines, and in the same hearing strata; has been very productive so far as trial has been made, 15 fms. workings on the vein having produced 129 tens ore, and the sett extends east nearly half-a-mills on the range of the vein.
The engine-shaft has been sunk 130 yards. A 45 in. cylinder engine has been screeted, with 14 in. pitwork, complete; capstans and ropes; whinesy and rope; smitthy and dressing-doors. Also, an 18 in. cylinder sawney engine, complete. Royalty at 1-12th.
The above mine was suspended in November last, in consequence of several of the shareholdere not being able to pay up their calls. £2300 is to be paid to the present liabilities on the mine; and the remaining £1700 is considered sufficient to bring the mine into full and profitable operation.
A call of 56 per chare will be made at once, and the remainder when required. Capt. Enwand Romars, Coed Hendre Mine, near Moid, who inspected the mine; and Capt. Sharartas, the late agent, will give any information that may be required. Application for shares to be made to Capt. Pullow and Mr. Dyra, Moid.

The ESAVEAN

The adventurers having given notice to determine the sett, under a power herein contained, an opportunity offers for a good company, under spirited management, to work this celebrated mine under a new sett; and arrangements may be aded in reference to taking the machinery at a valuation.

The mine is so well known, that it is almost needless to say that for many years it as been worked at a profit, and has made extraordinary returns to the adventurers, wring produced dividends, since the working in 1819, amounting to more than \$50,000 (being about one-third of the value of the ores raised), mainly from one lode, the set to contains many marallel lades.

a many parallel lodes, and there is every prospect, under a pruden agement, of the adventure being a most profitable investment. and to treat for the ext, application should be made to English formwall.—Truro, March 12, 1858.

CALSTOCK AND EDWARD CONSOLS,—This mine is situate we CALSTOCK AND EDWARD CONSOLS.—This mine is situate west of Wheal Edward and Calatock Consols, and immediately adjoining the latter mine, which during the last twelve months has been making great returns, and where there are at present 130 tons of rich copper ore ready for sampling. The lode so productive in Calatock Consols, with several others, traverse this sett about a mile from east to west, in a congenial stratum of killas. There are also two cross-courses running north and south, one of these producing good stones of lead, proves this a feature also worthy of notice. About 20 fms. west of this north and south lode an engine-shaft of ample dimensions has been commenced, to interrect three of the Calatock Consols lodes, at from 30 to 40 fms. deep, when such results may be safely relied on to remunerate the necessary outsy. It unquestionably merits attention that this mine is parallel to, and about half a mile south of, Hingston Down Consols, in the grante. The ground being by no means expensive for sinking, the gossans on the backs of the lodes impregnated with copper, together with the facilities of transit to and from the River Tamar, the proprietors reasonably anticipate developments inferior to none in this neighbourhood, so productive of copper, tin, and silver.—Purther particulars may be obtained from Capt. Astruct Down, Gomis Lake, Calstock.

P.S. In addition to the above, there is the advantage of sufficient water to work a wheel of 50 ft. diameter and 2½ ft. abreast, which would drain the mine well to the depth of 60 or 70 fms. Such an advantage is rarely to be met with, and the cost of working is thus considerably lessenced, in comparison with steam—power.

TUCK WORTHY BRIDGE MINING COMPANY.—

HUCKWORTHY BRIDGE MINING COMPANY.—
A MEETING of adventurers in HUCKWORTHY BRIDGE COPPER MINE
was held at the account-house on Thursday, the 25th of February, 1858, pursuant to

ount-house on Taursday, the season of the chair.

Present,—Mr. T. NICHOLLS, in the chair.

Mr. W. A. Palmer.

Mr. Mr. Bardin, Mr. J. Joseph Gilbert.

Mr. J. Pryor.

Mr. J. Pryor.

Mr. W. E. Commins.

Mr. J. Pryor.

Mr. W. E. Commins. Mr. John Pearse. Mr. C. H. Daw. Mr. W. G. Gard. Rev. W. Stracey.

Mr. W. G. Gard.

Mr. B. Toop.

Rev. W. Stracey.

Mr. H. Toop.

Mr. W. E. Commins.

The notice convening the meeting was read.

The sinutes of the former meeting were read and confirmed.

The statement of accounts presented having been examined and found correct, it was Resolved,—That the same be passed.

In consideration of there being available assets amounting to £103 19s. 9d., as shown by the accounts, coupled with the fact of the water-wheel being paid for,

Resolved,—That the question of a call be postponed until the next meeting.

A report from Capt. Key was read, advising the sinking of a shaft forthwith.

Resolved,—That it be received and adopted, and, with the accounts, be printed and circulated amongst the shareholders.

The sinking of a shaft being contemplated,

Resolved,—That the committee be empowered to call for tenders for removing the water-wheel from Old Wheal Robert, and errecting the same on this mine, so soon as the wheel-pit shall be ready for receiving it.

Resolved,—That the gontlemen composing the committee be, and are hereby, resistented for the ensuing three months; and that an expression of the thanks of the company be given them for their past valuable services.

The sunglesses to reduce the price to be charged for damaged land from £300 per acre to £100, together with permission to sink a shaft in ground heretofore reserved, two loved,—That this company, being sensible of the literality of Sir Massey Lopes, do recognize the same by an endeavour to successfully develope the mineral resources of the sett.

Resolved,—That the thanks of the meeting be given to the Chairman, for his c duct on this cecasion. Signed, THOS. NICHOLLS, Chairman

BALANCE-SHEET OF MUCE-WORTHY DRIDGE COPPER MINE, 25th			
Da Balance due to 23d November £ 46	6	1	
October labour £27 4 9			
November labour			
December labour 28 15 9= 79	12	4	
Crocker and expenses	15	10	
Mrs. Merrifield's bills 6 11 9			
Mesars. Gill, Sons, and Co 15 10 6= 22	2	9	
Messrs. Gill, Sons, and Co 19 10 0= 22	15	9	- 1
	80	9= £180 1	17 (
Cash at bank 4	,		"
Ca Calls received since meeting of 23d November £158	- 7	0	
Cash for forfeited shares sold	10	0= £180 1	17 (
LIABILITIES.			
DaMrs. Merrifield £ 9 1 6			
Skinner and Son 9 18 3			
T. S. Chave 4 17 7			
Michael and Co.			
Nicholis and Co. 1 12 4 J. M. Arnold 0 3 6=£25	19		
Three months' cost, say 100	-0	0- P195 1	10 6
Three months cost, say	U	0= 2123	10 .
ASSETS.			
Ca.—Balance brought down			- 1
Arrears of calls 77 5 6		-	
Forfeited shares to be sold 22 9 6= £103	19	9	
Balance required before next meeting	13	5= £125	13

REPORTS. REPORTS.

Reb. 25, 1859.—In accordance with the proposition made in my report for our last general meeting I put two men to shode for the great cross-course, which was met with about 70 fms. ahead, or to the east of our present adit and; we opened on its course for a great many inthoms, and found it to be large and of the same character. course for a great many (athoms, and found it to be large and of the same enaracter as it is in the Old Wheal Friendship and the Devon Bura Burra Mines—a very pretty cross-course. The lode in the adit end is still large, but at present not carrying so much ore as we have had; but it is very promising, with more water issuing from the end. I now strongly recommend the sinking of an engine-shaft where we have already got a good lode. This I hope will be decided on at the meeting to be held to-day; at the same time, I would recommend the removal of the wheel, and the preparation of other work in connection with its erection at this mine. In conclusion, I cannot help again expressing my firm belief in the success of the undertaking at an increased depth, and that we shall be discovering copper ore very soon after we begin to sink below the adit level.

Signed, JOHN KEY.

hegin to sink below the adit level.

March 1, 1858.—Having recently inspected this mine, I beg to hand you the following remarks thereon: "The act is extensive, and contains several lodes and cross-courses. On one lode an adit level has been driven about 80 fns.,—this lode averages about 3 ft. in width, and in places presents a very promising appearance, producing come very rich grey copper ore. There is an ample supply of water-power for all purposes connected with the mine; and I am of opinion that when this mine is fairly laid open it will become profitably productive.

To T. Nisholis, Eaq.

J. COCK, River Tamar Copper Mining Company,
Mining Offices, Twistock, March 1, 1858.—Sur: In sending you the minutes of the meeting held on the 25th of February, I have much pleasure in informing you that a stone of ore broken from the adit level on the same day yielded 54½ per cent. of fine copper. The shaft will be commenced over that part of the lode where the ore was broken.

W. E. COMMINS,

UNITED STATES OF AMERICA.—DUPEE, PERKINS, and SALE of STATE, CITY, and RAILEOAD SECURITIES, MANUFACTURING and BANK SHARES, give particular attention to the MINING COMPANIES OF LAKE SUPERIOR, and furnish reliable information concerning them.

ANCASTER AND CARLISLE RAILWAY.
The Directors are prepared to receive TENDERS for 1000 tons of CAST-IRON
CHAIRS. Patterns and specifications may be seen at the Castle Station, Lancaster.
Sealed tenders must be sent in not later than the 23d day of March next, addressed to the Secretary of the Lancaster and Carlisle Railway Company, Lancaster, and endorsed "Tenders for Chairs." The directors do not bind themselves to accept the lowest tender.—Lancaster, Feb. 28, 1458.

(HALLENGE IN PUMPS AND TUBES.—T. C. CLARKSON,
Patentee, 56, STAMFORD STREET, BLACKFRIARS ROAD, OFFERS to
DISCHARGE MORE WATER OF LIQUID MANURE with ONE of his PATENT
PORTABLE PUMPS than any FOUR PUMPS now used by the agriculturist; the
men to carry the pumps where required and work them.
PUMPS, and AIR and WATER-TIGHT TUBES for VENTILATING MINES, or
CONDUCTING WATER, any length or diameter, without joints. A pair of pumps
to be seen at work at the above address.

DUMPING AND WINDING ENGINES.—FOR SALE, and excellent 50 in. PUMPING ENGINE, 10 ft. stroke, two boilers 10 tons such in perfect condition, nearly new, with fire-proof house. A 24 in. WHIM HORI-CONTAL ENGINE, with 0 toss boiler, nearly new, in excellent condition, and

drawing machine attached.

As these engines are very superior in make and condition, parties requiring engine will do well to examine them.—Apply to Mr. C. Wascous, 21, Southernhay, Exeter.

GREAT WHEAL VOR UNITED MINES.—Notice is hereby given, that the QUARTERLY GENERAL MEETING of adventurers in the above mines will be HELD at their office, Gresham House, Old Broad-street, on Wednesday, the 17th March, at Twelve o'clock precisely.

Gresham House, Old Broad-street, London, E.C., March 6, 1858.

SOUTH BOG MINING AND SMELTING COMPANY (LIMITED).—Notice is hereby gives, that, in conformity with the Articles of esociation, the SECOND QUARTERLY ORDINARY GENERAL MEETING will be HELD at the office of the company, 61, Moorgate-street, on Monday, the 29th of tarch, 1858, at Twelve o'clock precisely.

The Transfer-books will be closed from the 20th to the 20th inst., both days insiduive.

By order, HIRAM WILLIAMS, Sec. and Manager.

OUTH-WEST OF IRELAND MINING COMPANY (LIMITED).

-Notice is hereby given, that a SPECIAL GENERAL MEETING of this company will be HELD at the offices of the company, 26, Throgmorton-street, in the City of London, on Thursday, the 15th day of April next, at Eleven o'clock in the forencon precisely.

26, Throgmorton-street, March 11, 1858.

THE GOVERNOR AND COMPANY OF COPPER MINERS IN THE GOVERNOR AND COMPANY OF COPPER MINERS IN ENGLAND (AD. 1691).—Notice is hereby given, that the ANNUAL GENERAL COURT of this company will be HELD at the London Tavern, Bishopsgatesteret, on Wednesday, the 7th April next, at "welve o'clock at noon precisely. In pursuance of the provisions of the Company's Charter, the following gentlemen will retire from the Court of Assistants, but, being eligible for re-election, will offer themselves for that purpose:—Sir John Henry Felly, Eart., Governor; Capt. Charles John Bosanquet, R.N.; William Gilbertson, Esq.; and John Perise Reanard, Esq. The Transfer-books will be closed from Wednesday, the 24th inst, to Wednesday, the 7th proximo, both days incleaive.

10, New Broad-street-mews, London, March 1, 1858.

OPIAPO MINING COMPANY.—Notice is hereby given, that a GREERAL MEETING of shareholders of this company will be HELD at the offices, 2, New Broad-street, on Friday, the 19th inst., at Two o'clock precisely.

By order of the Directors, EDWARD J. COLE, Sec. London, March 1, 1858.

THE LONDON AND VIRGINIA GOLD AND COPPER MINING COMPANY.—Notice is hereby given, that us EXTRAORDINARY GENERAL MEETING of the stockholders of this company with the HELD at the office of the company, 3t, Lime-street, in the City of London, on Tuesday, the 10th day of March next, at One o'clock in the afternoon, for the purpose of submitting reports from the mine, laying before them the financial position of the company, and deciding whether the directors shall make a further call on the shares, and of determining in such case the amount of such call.

By order of the Board of Directors,

34, Lime-street, E.C., London, Feb. 25, 1858.

THE CENTRAL AMERICAN MINING COMPANY (LIMITED).
Capital £30,000, in 6000 shares of £5 each.—Deposit £2 per share.

Capital \$30,000, in 6000 shares of £5 each. — Deposit £2 per share.

Managuas—Messes, John Taylor and Sons.

The object of this company is to continue the working of the mines of Alotepeque in Guatemala, and to eract works for the reduction of the ores of silver.

Prospectuses may be obtained, on and after the 9th inst., at the office of the Central American Mining Company, 5, Queen-street-place; and applications for shares are to be made to Messrs, John Taylon and Sons, 6, Queen-sirvet-place, Upper Thamestreet, E.C., on or before the 24th inst.

N.B. In the allotment of shares, areference is to be given to the present holders of shares in the Nouveau Monde and Central American Mining Companies.

OUVEAU MONDE MINING COMPANY.

In the ALLOTMENT OF SHARES of the CENTRAL AMERICAN MINING COMPANY (LIMITED), a PERFERENCE is to be given to the HOLDERS of SHARES in the NOUVEAU MONDE COMPANY.

The terms of the agreement made with the Central American Mining Company are stated in the prospectus, which may be obtained on application at the office of the Central American Mining Company, No. 5, Queen-street-place, E.C., on and after the 9th inst.

DUSTON IRON ORE COMPANY (LIMITED).—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the share-holders of the Duston Iron Ore Company (Limited) will be HELD at the company's offices, Wellington Chambers, Cannon-street, London, E.C., on Tuesday, the 16th day of March inst., at Two o'clock F.M. peccisely, for the purpose of confirming or rejecting the following resolutions, which were unly carried at an Extraordinary General Meeting, held at the said company's offices on the 20th day of January last, viz.:—
That in the opinion of this meeting it is advisable to wind-up this company, and that immediate steps be taken to wind it ap.
That the least expensive and most expeditious method of winding-up the said company will be that of the voluntary method, as enacted by the Joint-Stock Companies Act of 18/5; and that it is the opinion of this meeting that the necessary steps should be taken immediately to carry the said winding-up into effect.

By order of the Hoard,
Wellington Chambers, Cannon-street, London, E.C., March 9, 1858.

Wellington Chambers, Cannon-street, London, E.C., March 9, 1853.

DUSTON IRON ORE COMPANY (LIMITED).—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders of the Duston Iron Ore Company (Limited) will be HELD at the company's offices, Wellington Chambers, Cannon-atreet, London, E.C., on Tuesday, the 16th day of March inst., at One o'clock p.m. precisely, for the purpose of confirming or rejecting the following resolution, which was duly carried at an Extraordinary General Meeting, held at the said company's offices on the 9th day of March inst., viz.:—

That the directors be, and are hereby, empowered to carry out all proper and necessary arrangements to abandon a contract entered into with reference to two severatal agreements, dated respectively the 1st day of July, 1854, the first of such agreements made between Lord and Lady Palmerston and the Rev. Robert Henry Cox, of the first part, and Messrs. John Carter Lucas, Thomas Lucas, Thomas Woolley, Thos. Baker, and Robert Beevor, of the other part, and the other of such agreements made between the said Lord and Lady Palmerston of the first part, the Hon. George Augustus Earl Cowper, of the second part, the said Rev. R. H. Cox, of the third part, and the said Messrs. John Carter Lucas and others, of the fourth part, and which said agreements, and the benefit thereof respectively, were by indenture or declaration of trust, dated the 4th day of December, 1854 (excutted by the said Messrs. Lucas and others), declared to be held by them for the benefit of the said company, subject to certain conditions and stipulations therein contained, and the said directors are hereby further authorised to pay or secure to the said Lord and Lady Palmerston, and the Rev. R. H. Cox, a sum not exceeding the sum of 2820 ifs., as may be required for that purpose, and to said company, of the other part.

He GENERAL AUCTION COMPANY (LIMITED).

Wellington Chambers, Cannon-street, London, E.C., March 9, 1858.

THE GENERAL AUCTION COMPANY (LIMITED).
Capital, £50,000, in shares of £1 each, with power to increase. Deposit on

THE GENERAL AUCTION COMPANY (LIMITED).
Capital, £50,000, in shares of £1 cash, with power to increase. Deposit on application, 5s, per share, and the further sum of 5s, per share on allotment. The business of the company will comprehend—
The making advances at the least possible expense upon all descriptions of property placed in the hands of the company will comprehend—
The effecting sales by suction, negotiating the transfer of estates by private contract, making valuations, collecting rents, and the general management of estates. The company will, in special cases, undertake sales on terms of mutual arrangement. Attention is drawn to the important fact that practically the company will incur no rick in any of its operations, its advances, outlay, and charges being invariably represented by tangible property, the ultimate sale of which will relimbure the company. This description of business is one to which the principle of a joint-stock company may be most appropriately applied. With ampler resources and higher responsibility than are usually possessed by an individual, the company will have the means of more advantageously conducting onsiness, commanding an amount of confidence satisfactory to both bayer and seller, and leading to ingrely extended operations on the part of the company.

Consignments to a great extent are annually made to London for sale from various parts of the globe, as well as from the numerous manufacturer will gladly avail themselves of the facilities offered by this company.

All the transactions of the company will be characterised by promptitude, combined with pradence; and the expenses of management will be kept within the narrowest limits compatible with efficient working. Arrangements have been made for the exclusive services of two gentlemen of ability and experience as auctioneers and agents. In order to give security to the public, the deposit on siles of estates effected by the company will be belowed the exclusive services of two gentlemen of ability and experience as auctio

GAWTON QUAY, on the Banks of the Tamar, about five miles from Tavistics IMPORTANT TO IRONFOUNDERS, SMITHS, MINING AGENTS, TRIED MERCHANTS, CONTRACTORS, AND THE PUBLIC GENERALLY,

IMPORTANT TO IRONPOUNDERS, SMITHS, MINING AGENTS THE MERCHANTS, CONTRACTORS, AND THE PUBLIC GENERALLY.

MESSRS, SKARDON AND SONS WILL SELL, BY AUCTION OF THE PUBLIC GENERALLY.

Less and the second of the second s

Globe Fire and Life Insurance Office, 11, Bedford-street, Plymouth, March 1, 181.

MESSRS. FULLER AND HORSEY are instructed by the Inspector of the Estate of Messra. Swayns and Bovill, to SELL BY AUCTION, in its without reserve, at the WORKS, MILLWALL, POPLAE, on Monday, the 2th of March next, and following days, at Eleven each day, the socially MACHINES of Of March next, and following days, at Eleven each day, the socially MACHINES of Office, with 18 th of the social machines of the social machines, and the social machines of the social machines, and the social machines, and the social machines of the social machines of the social machines, and the social machines of the social machines, and the social machines of the social machines of the social machines, and the social machines of the social machines of the social machines, and th

SIX HYDRAULIC PRESSES, 13 in. RAMS.

SIX HYDRAULIC PRESSES, 12 in. RAMS.

RESSRS. FULLER AND HORSEY are instructed by Mears & Bovill and Sons to SELL, BY AUCTION, on Thursday, the 25th and Lots, SIX very powerful HORIZONTAL HYDRAULIC PRESSES, made by Mean sawane and Bovill, for compressing hay, and used but for a short period only; on grees is double esting, having a sylinder at either end, with 12 in. ram and puppress is double esting, having a sylinder at either end, with 12 in. ram and puppress is double esting, having a sylinder at either end, with 12 in. ram and puppress in double esting, having a sylinder at either end, with 12 in. ram and puppress there are found to see the presser are made of Stirling's patter inc. as opening between the two ends is 13 ft. 6 in. long, by 3 ft. 6 in. wide; there are not each for hooping the bales. The pressers are made of Stirling's patter inc. as fitted, and in good order. Also, at the same time will be soid, about TEN IOABIC SOUND SQUARED TIMBER, used as framing to earry the presses, and ONECU-TING MACHINE.

To be viewed with the other effects. See preceding advertisement.

THREE STEAM-ENGINES AND BOILERS, 16, 70, and 80-hor THREE STEAM-ENGINES AND BOILERS, 16, 70, and 80-horse power.

MESSRS, FULLER AND HORSEY are instructed by the Inspecim of the Estate of Messrs. Swayne and Bovill to SELL, BY AUCTION, we the other machinery, Milwall, Poplar, THREE STEAM-ENGINES and BOILER including a new double cylinder, high-pressure, and condensing Steam Beam Beam with 16 in. and 32 in. cylinders, equal to 70-horse power, made by Messrs. Jupa and Bovill; also, a double cylinder Steam Beam Engine (Sime's Fatent), qual so-horse power; a 16-horse power high-pressure Beam Engine, Donkey Panise Engine, two Cornish Boilers, each 25 ft. long, 7 ft. diam., one fitted with two line to ther with one large tapering tube, steam-pipes, valves, and connection, and to brick fixing.—To be viewed with the other effects. See preceding advertisement.

THE GREAT WELSH SILVER-LEAD MINE, Situated on the lands of the late D. A. S. Davies, Eq., called Casara, near and six miles from Llandovery, Carmarthenshire, at either of which is a station on the South Wales Railway.

Is a station on the South Wales Railway.

ESSRS, GADSDEN, WINTERFLOOD, AND ELLIS, here be ceived instructions to SELL, BY AUCTION, at the Mart, opposite the being the state of England, London, on Tuesday, 30th March, at Twelve o'clock, in One Lo, to access mentioned valuable SILVER-LEAD MINE, held for a term of 21 years but the July, 1833, at a rent or royalty of 1-15th, or a sleeping rent of £50 per same. Also, the WHOLE of the MACHINERY, MATERIALS, &c., of the company in about the mine, including a 35-in, quinder STEAM-ENGINE and boiler, punsy at lifts, horse-whim and gear, tram-roads, dressing apparatus, and other such masking and materials as are requisite for working lead mines of great promise. The mine may be viewed, and printed particulars obtained, on applications it. W. Battyz, 33, Great Winchester-street; Mr. James Wyary, 4, Veralum-building, Gray's Inn; and at Mesers. Gadshay, Winterflood, and Ellis's offices, it, ill Broad-street, London.

PRELIMINARY ANNOUNCEMENT.
HIGHLY IMPORTANT TO ENGINEERS, MACHINE MAKERS, RAILWA
COMPANIES, SHIP-BUILDERS, CONTRACTORS, AND OTHERS.

COMPANIES, SHIP-BUILDERS, CONTRACTORS, AND OTHERS.

R. WHEATLEY KIRK is instructed to arrange, catalogue, and SELL, BY AUCTION, about the first week in April next, on the punies of Mesers. Francis Lewis and Sons, the eminent tool makers, at their work, ison as the STA-VELEY STREET WORKS, SALFORD, MANOHESTER, the exceeding valuable TOOLS, UTENSILS, MACHINERY, STOCK IN TRADE, &c. Further particulars in future papers, and also in descriptive catalogues, which as being prepared, and which, with every information, may be had on application Mesers. Caossilky and Sudmiss, solicitors, Cooper-street; or to the auctioner, Construct Company of the Cooper Street Chambers, Manchester.

OUTH WALES,—Mr. ARTHUR O. DAVIES, of Dowlait, is authorized to TREAT for the SALE of TWO VERY VALUABLE 6008 COLLIERIES in South Wales.

Also, TO LET, an EXTENSIVE TRACT of STRAM COAL, on a long leas, 41 moderate royalty, with a railway running through the property.

For terms, apply as above.

For terms, apply as above.

MPORTANT SALE OF MINING MACHINERY, PLANT, &c.—
TO BE SOLD, BY AUCTION, at LLWYNMALEES MINE, near Positripfendigaid, and within tweive miles of the town of Aberystwith (under execution)
the Sheriff of Cardiganshire), on Thursday, the 18th of March, 1856, at the bord
Twelve o'clock at noon precisely, the WHOLE, or so make hereof as shill bardcient to satisfy the executions, of the valuable MACHINERY, PLANT, &c., at in
above MINE, comprising one 20-horse power STEAM-ENGINE and BOILES, espiete; one 30 ft. water-wheel, one 40 ft. ditto, two small ditto, one crusher, siched
of stamps, three trunks under ditto, liggers, buddles, wheelbarrows, had ditto, a
pair of rollers, one sweep rod, lot of timber, bobs for water-wheel and consecurods, complete; a very large quantity of 15, in. and 2 in. rods, with pulley, Ly
complete; several tons of wrought-iron, underground tools, grindstone, smild\*
ilews, lot of pianks, ditto of castings, cog wheels, &c., carpenters' bench, whistwo pumps, plunger-pole and case, complete; several hundred fathoms of tran 184
about 90 fms. of underground rails, and other articles, too numerous for the limits
an advertisement.

For further particulars, apply at the Undersheriff's office, in Aberystwith-

THORNHILL LEES IRON WORKS, NEAR DEWSBUEY.

The proprietors of these works having determined to retire from busines, if
dy to THEAT with any parties wishing to ENTER a LUCRATIVE TRADE, will
not be recommended to the control of the c

ready to TREAT with any parties wisning to not a have the most favourable circumstances. The business carried on is that of the manufacture of mercantile iron, or bare, hoops, and rails; and there is a good trade connection established. The situation is most eligible, being at an easy distance, either by railwing from all the large manufacturing towns of the West Riding.

bars, hoops, and rails; and there is a good trade connection established. The situation is most eligible, being at an easy distance, either by railways can from all the large enanulacturing towns of the West Riding.

The Calder ann Hebble navigation, communicating east and west with the maniacturing towns, and with Hall and Liverpool, runs alongside the works; and the Thornhill Lees station on the Lanchashire and Yorkshire Railway is within a seminutes' walk, by a good and level road. The option of employing either canalor may afford great advantages, both in convenience and in securing low carriage may afford great advantages, both in convenience and in securing low carriage may afford great advantages, both works is of the best quality for manuler iron, and is supplied on low terms, by trucks direct from the collecties into the wind the security of the security of

till let to a successor.

Application personally, at the works; or by letter, addressed to Troubs Validation, Edgerton House, near Huddersfield.

1858

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OMINERS AND OTHERS.—TO BE SOLD, a great bargain, a NEW WATEL-WHEEL, 50 ft. by 5 ft. 5 in. breast, with cast-iron rings, axie mis, crask, and oak plummer blocks.

SIM STANTS, and cast-iron axie, with lifters, tongues, cambs and frams, commits stand to the standard standard

SLATE QUARRY IN CARNARVONSHIRE, NORTH WALES, TO BE SOLD, A BARGAIN.—This quarry is well opened, and capable of saing good monthly returns at once. There is water-power and machinery on the exist, and the requisite plant. The slates are of fine quality, free from royalty, and shout three miles distance from a good shipping port. An immediate purchast will find the terms desy.—For particulars, apply to John Thomas, agent,

TAFFORDSHIRE.—HAY HEAD HYDRAULIC LIME.—
TO BE LET, ON ROYALTY, the valuable MINE of HYDRAULIC LIME.—
TO BE LET, ON ROYALTY, the valuable MINE of HYDRAULIC LIME.—
TO BE LET, ON ROYALTY, the valuable MINE of HYDRAULIC LIME.—
STORE at HAY HEAD, near Walsall. The works are situate on a branch of the
Reiningham Canal, by means of which a ready communication may be had with the
Reiningham Canal, by the lime is well known in the neighbourhood,
add has been selected, in preference to all others, for exclusive use in the very extunite works now in progress in the Netherion Tunnel, near Dadley, by means of
which the Birmingham Canal is be carried underground for 3000 yards. The works
are very complete. There are two shafts and a 23-horse high-pressure engine, with
the necessary pumping and winding gear. The kins are close to the canal. The
plant to be taken at a valuation.—For further particulars, apply to Mr. Adams,
Alfridge, near Walsall.

Addridge, near Walsall.

TO BE LET, and may be entered to immediately, the valuable COAL FIELD of CARLTON, belonging to the Right Hon. the Lord Wharselffs, containing upwards of 1300 seres, and comprising the well-known SEAMS of COAL, called the Woodmoor, the Winter, the Beamshaw, and the Barnaley, and other has of coal, and situate three miles north-east of Barnaley, in the West Ridding of the county of York.

The create is intersected by the Midland Railway and the Barnaley Canal, and shounds in gritatons, olay, wood, and ironstone. The field has been proved by borings to a depth of 217 yards, and plans, sections, and samples of coal may be seen. The Woodmoor, Winter, Mapplewell, and Barnaley less are working immediately adjoining the boundary of the property.

For further particulars, apply to Measrs, Barnary, First, and Dawson, 2, News, and Coalles and C

Mr. Henny Holf, C.E., South Parade, Wakefield,—Wakefield, Pob. 20, 1858.

THE BYCHTON COAL, CANNEL, AND IRON COMPANY, MOSTYN (LIMITED).—Incorporated 20th Pebruary, 1858.

Capital, £30,600, in 6000 shares of £5 each.—Deposit £1 per share.

The directors will be shosen at the first general meeting.

BANKERS—The North and South Wales Bank.
SHAREBOKERS—Mesers. Drinkwater and Lowe.

AUDITOR—H. C. Belos, Eng.

SOLICITORS—Mesers. Townsend, Eddley, and Jackson.
ENGINERS OF THE WORKS—Mr. C. W. Remeden.

The object for which this company has been formed is to work soal, iron, and other minerals in the Bychton ostate, at Mostyn, in Fliatshire.

Terms have been come to with the lessesser formed is to work soal, iron, and other minerals in the Bychton ostate, at Mostyn, in Fliatshire.

Terms have been come to with the lessesser formed is to work soal, iron, and other consideration for the transfer of their interest to the company; this is proposed to be effected by silotting to them 2000 shares, which will be considered as fully paid up.

expense, has proved seams of soul in less than it in the control of the control o

Waies Collieries.

The estate contains also valuable velus of iron ore, to the number of about 60, besides large balls of iron ore under every seam of coal.

There is every reason to believe that a get of 2000 cons of coal and cannel per week will, at a moderate profit (certain to be obtained), yield a dividend of 50 per cent. on the entire capital, without taking any account of the profit which may be realised on the ironstone, which is of good quality.

The immense advantages possessed by this concern cannot fail to ensure success. Forms of application for shares may be obtained from Messrs. Townsend, Ridler, and Jackson, solicitors, 21, Fenwick-street, Liverpool.

THE CARDIFF PRESERVED COAL AND COKE COMPANY (LIMITED).

Incorporated pursuant to the Joint-Stock Companies Act, 1856.

Capital \$20,000, in 4000 shares of \$5 cosh...—Past In pin full at the time of ar bacription. REGISTERED OFFICE,—BLACKWEIR, CARDIFF.

A manufactory is now erected at Blackweir, Cardiff, and the manufacture and sale of the material commenced.

The patentee has undertaken to manage the works of the company, without remaneration for his time and experience, until dividends at the rate of \$10 per cent. per annum are paid to the shareholders. A stipulation to this effect is incorporated in the Articles of Association, which may be seen at the office of the company by persons desirous of subscribing for chares,—a small number only remain on sale.

Specimens may be seen, every information obtained, and references given, at the office of the company, Biackwair, Cardiff, Mr. Casoac Associationry, secretary, to whom applications for shares should be made. Specimens are also deposited and information obtained from—

Mesers. W. and G. Richardson, 70, Cornhill, London.
Capt. Havistor, 68, Cornhill, London.
Capt. Havistor, 68, Cornhill, London.
Capt. Havistor, 68, Cornhill, London.
Cart. Havistor, 68, Cornhill, London.
Charles Ross, Esq., Exchange-street, Liverpool.
Mesers. Richardson, Thomas, and Co., Albion Chambers, Bristol.
Mesers. Richardson Conv. and Sons, Swansea and Cardiff.
Sankey Gardson, Reg., Neath.
Capt. Perry, Jerussiem Suberription Rooms, Cornhill, London.
The material manufactured by this company possesses the following advantages.
1. It is from 8 to 12 per cent. stronger than any coal from which it may be made
2. Our Hunderd and Pipty-seven rows can be stowed on board ship in the sportquired for 100 tons of coal.
3. The blocks are of uniform size and weight (56 lbs. each), and they become hard and make a more enduring fire after the lapse of ten or twelve months than where the company is the company made.

STEAM BOILERS.—COAL PROPRIETORS and others requiring BOILERS, for home use or export, of first-rate make, cheap, and proved to shigh pressure, apply to ELLIS LEVER, 2, Cleveland-buildings, Market-street, Manchester.

THOS. GEMMELL AND CO., WIRE ROPE MANUFACTURERS, WORKS, PIRHILL ROAD, SPRINGBANK, GLASGOW.
WARKHOUSES—Pinnieston Quay, Glasgow; 10, King-street, Liverpool; 43, Marischal-street, Aberdeen; 46, Osborn-street, Hull.
ACHIVE.
HENRY J. MORYON and Co., 2, Basinghall-buildings, Leeds.
GRORGE GUTRIN, Liverpool-road, Stoke-upon-Trent.
ISAAC NATIER, Dibdale, near Dudley.
J. WADDINGTON, 109, Millgate, Wigan.
THOMAS REID, 33, Quayside, Newcastle-upon-Tyne.

A SPHALTE OR PITCH, 4s. per ton; TAR OIL, 2d. per gallon; COMPOSITION to PREVENT RUST in STEAM BOILERS, 10d. per gall.; at JNO. METCALF'S, Miles Platting Chemical Works, Manchester.

FIVE POUNDS WEEKLY may be PERMANENTLY REALISED by EITHER SEX, with each pound expended. Particulars clearly show that these incomes are so well secured to those investing that to fail in realising them is impossible. Parties may commence with small investments, and by increasing them out of their profits can, with unerring certainty, realise an enormous income. No partnership, risk, liability, or embarking in business. Incontestible authorities given in proof of these statements.—Enclose a directed stamped envelope to John Lewis, Eq., 32, Trinity-square, Southwark.

NOTICE TO RAILWAY AND STEAM-BOAT TRAVELLERS.

FAST, with joint, is, 5d. BEDS, 10s. 5d. per week. DINNERS from Twelve to Eight

o'clock; joint and vegetable, is, 6d.; with soup or fish, 2s. TURTLE SOUP and

VENISON DAILY. TABLE D'HOTE at Hair-past One and Haif-past Five at Twe

shillings such. A night porter in attendance.

A nor of Gratitude.

A nor of Gratitude.

Five Thousand Copies of a Medical Book for Gratuitous Circulation.

CEORGE THOMAS, Eag., having been EFFECTUALLY CURED of a NERVOUS DEBLITY, LOSS OF MEMORY, and DIMNESS OF BOHT, resulting from the early errors of youth, by following the instructions given in a medical work by a physician, he considers it his daty, in gratitude to the author, and for the benefit of nervous sufferers, to publish the means used. He will, therefore, send free, to any address, in a scaled envelope, on receipt of a directed envelope enclosing two stamps, to pre-pay postage, a copy of the medical work, containing every information required.—Address, G. Thomas, Eeq., Craven House, Newcastle-apon-Tyme.

IN STOCK-FOR SALE OR HIRE.

THE RAIL-WAY CARRIAGE COMPANY,
OLDBURY, NEAR BIRMINGHAM.
MANUFACTURERS OF EVERY DESCRIPTION OF RAIL-WAY PLANT AND
IRON WORK.
NEW AND SECOND-HAND RAIL-WAY WAGONS AL-WAYS IN STOCK,
FOR SALE OR HIRE.
LONDON OFFICES,—34, GREAT GEORGE STREET, WESTMINSTER.

THE PERMANENT WAY COMPANY GRANT LICENSES
for the USE of IMFORTANT PATENTED INVENTIONS (now adopted on
merous rallways at home or abroad, to the extent of upwards of 10,000 miles), by
the following patentees:

Adams, W. E.

Boucherie, Dr. H.

Barlow, P. W.

Barlow, P. W.

Barlow, P. W.

Barlow, W. H.

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Barlow, W. H.
Dooll, A.
Barningham, W.
Berner, P. Macobanell, J. J.
Berner, W. H.
Barningham, W.
Berner, P. Macobanell, J. J.
Berner, W. H.
Bern

JOHN BOGERSON AND CO., NEWCASTLE ON-TYNE, AND MIDDLESBRO'-ON-TEES.
PIG, BAB, PLATE IBON, CHAINS. ANCHORS, PORGINGS, GIRDERS, PIPES, FOUNDRY WORK.
LONGRIDGE'S WEST HARLEY STEAM COALS (on the Admiraly List), COKING, GAS, HOUSE. AND SMITHS' COALS, COKE, FIRE-BRICKS, &c.

JOHN H. PECK, MANUFACTURER OF RAILWAY OIL COVERS, CART AND WAGON COVERS, OIL CLOTH, STACK COVERS, BOAT SHEETS, TARRAULIN, BRATTICE CLOTH, COKE AND CORN SACKS, POTATO BAGS, TWINE, &c., WIGAN, LONDON AGENT.—T. E. WELLER, 15, Duke-street, Adelphi.

DATENT LEVER BREAK, FOR RAILWAY WAGONS, doing away with the objectionable break rack. Can be APPLIED to EXIST. ING STOCK at a TRIFLING EXPENSE. Royalty moderate. Models can be seer at 34, Great George-street, Westminster; and the breaks in action at the works of the Railway Carriage Company; at the Peterboro' Station, on the Eastern Countie Railway; the Ragby Station, London and North-Western Railway; the Cardiff Dock Station, Tar Vale Railway; and at the Works, Oldbury, near Birmingham, where all communications are requested to be sent.

HORTRIDGE, HOWELL, AND JESSOP, HARTFORD STEEL WORKS, SHEFFIELD, SOLE MANUFACTURERS of HOWELL'S PATENT HOMOGENEOUS BOILER-FLATE METAL, combining the strength and durability of steel with the malleability of copper; warranted to bear double the pressure of the best boiler-plate iron; RIVETS, ANGLES, and STATS of the same material. Also, RUSSELL and HOWELL'S PATENT CAST-STEEL TUSES, for multitubular boilers, shafting, railway axles, &c.
Application to be made to Suoarandos, Howell, and Jessof, Hartford Steel Works, Sheffield; and Mesers. Harvey and Co., 12, Haymarket, London.

OBT. T. WRIGHT, ENGINEER, & MACHINE MERCHANT,

4c., 27, BELLE VUE TERRACE, PENDLETON, MANCHESTER,

HORIZONTAL and VERTICAL HIGH-PRESSURE ENGINES, SLIDE and

SCREW-CUTTING LATHES, PUNCHING and SHEARING, PLANING, SLOT
TING, and DEILLING MACHINES, &co., supplied to order.

Specifications prepared and forwarded with dispatch.

IMPORTANT TO MINE OWNERS AND OTHERS REQUIRING IRON OF A VERY SUPERIOR QUALITY FOR CHAINS, AND ANY PURPOSES WHERE, GREAT TOUGHNESS IS NEEDED.

MESSES. R. AND W. JOHNSON AND CO., of BRADFORD IRON WORKS, NEAR MANCHESTER, can with the greatest confidence RECOMMEND their BEST DOUBLE WORKED BELECTED CHARCOAL SCRAP IRON, as SUPERIOR to ANY ARTICLE ever offered.—For prices, &c., sply to Mr. J. Horsley, iron and metal agent, Barlow's-court, Merket-street, Manchester.

CALVERT'S PATENT PROCESS FOR MAKING COKE AND IRON FREE FROM SULPHUR.

For LICENSES to USE the above process, apply to Rowert Longdom, Jun., 63, King-street, Manchester.

FOR APPLICATION of the PATENT to GAS WORKS, apply to Mr. Gronds Trickerr, Exchange Chumbers, Manchester.

For APPLICATION of the PATENT to GAS WORKS, apply to Mr. GROROR TRICKETT, Exchange Chambers, Manchester.

OWEN'S PATENT FOR THE PREVENTION OF ACCIDENTS, BY THE BERAKING OF ROPES AND CHAINS IN COLLIELIES, HOISTS OF MILLS AND WAREHOUSES.

If a rope breaks, the application of this patent to a sage will stop it under all circumstances, and is so simple that it will never be out of working order. It has been the means of preventing secidents at two colliers in Lancashire, and also tried experimentally at several others, all of which have shown the certainty with which it works. The right of use has been purchased by the following concerns, viz.:—

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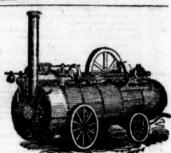
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2048 Carnyorth (tin), 3i, Just     4½     6     56     0 15 9     9 3 0—June 16, 1856.       200 Cefn Cwm Brwyno (lead), Cardiganshire     33     55     43     3 0 0     5 0 0—Oct. 4, 1855.       2000 Collacombe (copper) Lamerton     5     16     14 15     2 5 0     0 3 0—Dec. 2, 1857.       255 Conjurrow (copper, tin), Camborne [S.E.]     20     80     70 75     85 0 0     2 0 0—June 10, 1857.	12000 Castell (isad and blende), Card, 11s.0d. 3 36 260 Castell (isad and blende), Card, 11s.0d.	(lead), Cardigan £3 10 1
1003 Crandoca Moor [copper], St. Gleer 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33 Cheesewring Granite	eel (lead), Mold
280   Derwent Mines (silver-lead), Durham   300   150   150   132   0 0   10 0 0   -Feb. 4, 1658, 280   Devon Great Consols (cop). Tavist.* [S.E.] 1   470   470   480   602   0 0   7   0 0   -Jan. 22, 1858, 1672   Ding Dung (tin), Gulvait   334   18   18   18, 16   7 6   1 10 0   -Mar. 2, 1857, 179   Dolegoth (copper, tin), Camborne*   257 %   300   943   0 0   8 0 0   0 0 0 12, 1857, 2800   Drake Walla (tin, copper), Calatook   11, 192   2   2   0 13 6   0 2 0   -Sept. 11, 1857.	6000 Choliacot Consols (coppur)	opper and tin) 1s.
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Wheal Basset (copper), Illogan* [8.E.]. 516 245 240 250 478 10 0 4 0 0—Feb. 2, 1858. Wheal Buller (copper), Redruth* [8.E.]. 5 310 300 857 10 0 7 10 0—Jan. 19, 1858. Wheal Clifford (copper), Gwennap 250 230 250 42 0 0 3 0 0—Oct. 26, 1857.	1000 Hennock Black Ore [L.]   1/2	on. (cop.), St. Blazey 14 4
Wheal Fortescue (copper), Bodmin.	100   100	Tor (cop.), Rillaton 40 35 38 Beach [L.]
2 Wheal Jane (silver-lead), kea.     346     1796     15 1796     5 10 0 - 10 0 - 10 0 10 10 10 10 10 10 10 10 10 10 10 1	5000 Kelly Bray (id., cp.), Callington £3 196 13 13 12 W. Ting T. 2018 Keneggy, toop, &c. Breage £1 47 2 512 West Whee 1900 Kest William 2 1000 West Whee	ang (cop.), Gwennap
Wheal Lovel (tin), Wendron	500 Kinnerton (lead), Salop	sopper), Cuby 22. M 1
Trampet Consols (tin), near Helston   95	1024 Leeds & St. Aubyn (tin, cop.)£14 16 3 3½ 4½ 4½ 4000 Wheal Add 1021 Lelant Consols (tin) 27 1½ 1½ 1½ 6000 Wheal Add 4174 Lambest Consols (silver-lead) 44 ½ 6 66 6000 Wheal Am	ams (copper & lead) 11s 116 116 r (copper), Illogen £1 13 3 34 rry (l. & c.) Christow 5s.
0 Wheal Trelawny (811-40.), Linkeard [8.E.] 45 23% 22 31 10 2 6 0 7 6—3n. 14, 1854. 4 Wheal Tremsyne (1in, copper), Gwinear 11% 2 2 2 10 2 6 0 7 6—3n. 14, 1854. 5 Wheal Wrey (lead), St. Ivet 11.9s, 44 44 2 12 6 0 2 6—18. 22, 1857. 6 Wieklow (copper), Wicklow 5 45 48 28 15 6 1 10 0—3an. 14, 1858.	2500 Little Down & Ebber Rocks [L.]   2 2%   1024 Wheal Ann   1500 Liverpool & Pwilheii Gran. [L.]   10   12000 Wheal Bra   12000 Liandudno (copper)	ile (cop.), Gwinear 2 4 19 (copper), Altarnun £1 2 4 19 (rry (tin), Lelant 10 (copper)
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O Linares (Lead), Fozo Ancho, Spain [S.E.]. 3 9994 522 055 — Dec. 24, 1857. 6 Lustanian (of Portugal) [S.E.] 14 15 54 053 0 20 — May 25, 1857. 6 Marientia and New Granda [S.E.] 1 2 4 0 50 0 1 0 — Jan 29, 1857.	1955 Midland Mining [L.]   5   12000 Wh. Emma   6000 Millom Mining [L.]   1070 Wheal Eng   1024 Mill Pool (tin, cop.), St. Hilary £13 16 6 24 44 5 720 Wheal Fra	Exten. (cop.) Buck. 1s. 6d 7 8 18 18 18 19 18 19 1
0 Pontgibaud (silver-lead), France [S.E.] 20 5 5 6 1 0 0 1 0 0—June 20, 1855. 0 Royal Santiago (copper), Cuba [S.E.] 164 24 25 35 0 0 1 5 0—July 12, 1848. 0 R. John del Rey 3 5 7 6 1 0 0—June 19, 1857.	1000 Millom Mining [L.]	aden (tin), Sithney. 2
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9 Kinzigthal Min. Ass., Germany 4 13 4 75000 Wildborg (sillead, copper) 2 1 4 6 100000 Worthing (copper) (L ] 13s 3s 4 % 100000 Worthing (copper) (L ] 13s 3s 4 % 100000 Worthing (copper) (L ] 13s 3s 4 % 100000 Worthing (copper)	2400 N. Wh. Unity (cop., tin), Gwin. 1½ 1 2 2 1024 Wheal Unity 4090 North Wh. Wrey Cons., St. Ive 11s 1½ ½ 1024 Wheal Ven. 4096 Okel Tor (lead), Calatock £3 1s. 3 1024 Wheal Ven. 2	(tin, cop.), Redruth £26 7 41/4
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PROGRESSIVE BLINES.   Price, Present   Price   Price   Present   Price   Present   Price   Present   Price   Present   Price   Present   Price   Price   Present   Price   P	1000 Old Tincroft (tin), Lelant	nk (lead), Limited 21s 3 nk (lead), Limited 21s 3 nh m Hematite Iron [L.] 300 3 nois, Buckfastleigh .6s, 9d 3 pper), Devon £1 7s 136 13
Association Children (Copper)	4000 Osom's Hill [L.]	nge. Those mines with [L.] appended
ny mainoon Con. (tin), Uny Leannin 30 1 1 1 1 3000 Brenkburne (tron & coal) [L.] 20 21 300 Bellymoneen (copper) 2 2 28 8 7 1 2 5000 Bellyvirgia (lead), Co. Clare \$2 3 3 1 25000 Bristol and Forest of Dean [L.] 1 7 1 1 2		ALL YOR THE THE PARTY OF THE PARTY OF
10   Ballyongen (copper)   2   3   34   35   36   36   37   3000 Brenkburne (iron & coal) [L.]   20   20   20   20   20   20   20   2	*.* Our object being to make the Share List correct, we earnestly call upon all wh alterations or correction which may, from time to time, come under their notice mation of every description, forwarded to our office, will meet ready attention.	. Reports from mines—in fact, mining
50 Bedford Consols (copper) 184. 76 6000 Buckland Consols (copper) 16 8 Bell and Lanarth, Gwennsp 14 45 45 6330 Buller and Basset United (copp. 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	London: Printed by Bickard Middleton, and published by Hanay English (the STREET, where all communications are requested to be added.)	proprietors), at their offices, No. 26, Fri
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